

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025012.D
 Acq On : 28 Jun 2018 11:50
 Operator : MD/SY
 Sample : VU0628WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:26 PM

Quant Time: Jun 29 05:34:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	183678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148969	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138820	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	4.89	113	110274	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	7.57	98	370296	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	10.31	95	150598	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	38341	16.68	ug/l	98
3) Chloromethane	1.33	50	40009	17.03	ug/l	99
4) Vinyl Chloride	1.40	62	42514	17.55	ug/l	98
5) Bromomethane	1.62	94	28246	24.12	ug/l	100
6) Chloroethane	1.70	64	28196	20.20	ug/l	99
7) Trichlorofluoromethane	1.89	101	71998	19.48	ug/l	99
8) Diethyl Ether	2.10	74	27195	20.51	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43995	19.18	ug/l	98
10) Methyl Iodide	2.41	142	45829	26.40	ug/l	99
11) Tert butyl alcohol	2.82	59	65492	89.80	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39231	18.76	ug/l	97
13) Acrolein	2.20	56	13122	34.26	ug/l	97
14) Allyl chloride	2.60	41	67381	17.35	ug/l	99
15) Acrylonitrile	2.94	53	136322	96.08	ug/l	98
16) Acetone	2.32	43	160949	99.90	ug/l	97
17) Carbon Disulfide	2.48	76	113026	16.88	ug/l	98
18) Methyl Acetate	2.62	43	77922	22.56	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	158570	20.17	ug/l	94
20) Methylene Chloride	2.71	84	48893	19.34	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	44070	19.13	ug/l	97
22) Diisopropyl ether	3.57	45	152986	19.87	ug/l	92
23) Vinyl Acetate	3.53	43	644206	93.42	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85754	19.36	ug/l	99
25) 2-Butanone	4.26	43	211254	97.62	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80923	19.24	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	53156	20.07	ug/l	99
28) Bromochloromethane	4.55	49	40291	20.66	ug/l	87
29) Tetrahydrofuran	4.64	42	125922	93.96	ug/l	97
30) Chloroform	4.68	83	90236	20.13	ug/l	100
31) Cyclohexane	5.00	56	79984	19.12	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	84001	20.27	ug/l	96
36) 1,1-Dichloropropene	5.14	75	62803	19.79	ug/l	98
37) Ethyl Acetate	4.38	43	71808	20.76	ug/l	96
38) Carbon Tetrachloride	5.14	117	73149	20.96	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	82204	20.75	ug/l	95
40) Benzene	5.39	78	186495	20.62	ug/l	100
41) Methacrylonitrile	4.54	41	41678	22.34	ug/l	100
42) 1,2-Dichloroethane	5.41	62	79085	22.96	ug/l	99
43) Isopropyl Acetate	5.55	43	119952	20.06	ug/l	99
44) Trichloroethene	6.19	130	52852	20.53	ug/l	93
45) 1,2-Dichloropropane	6.44	63	50614	20.97	ug/l	97
46) Dibromomethane	6.56	93	37186	21.94	ug/l	95
47) Bromodichloromethane	6.76	83	69291	20.53	ug/l	99
48) Methyl methacrylate	6.63	41	59939	20.58	ug/l	97
49) 1,4-Dioxane	6.62	88	26805	470.70	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	379036	100.89	ug/l	98
52) Toluene	7.64	92	120253	20.67	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	74771	19.72	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	78805	19.51	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	50055	21.16	ug/l	100
56) Ethyl methacrylate	8.02	69	78227	19.76	ug/l	97
57) 1,3-Dichloropropane	8.25	76	84183	21.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	43114	28.43	ug/l	94
59) 2-Hexanone	8.36	43	307425	100.23	ug/l	98
60) Dibromochloromethane	8.48	129	56153	19.04	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54725	20.79	ug/l	98
64) Tetrachloroethene	8.23	164	49724	20.79	ug/l	99
65) Chlorobenzene	9.12	112	138567	21.56	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51478	21.08	ug/l	98
67) Ethyl Benzene	9.25	91	239459	21.25	ug/l	98
68) m/p-Xylenes	9.38	106	187507	43.33	ug/l	97
69) o-Xylene	9.78	106	92155	21.52	ug/l	97
70) Styrene	9.80	104	146108	20.76	ug/l	99
71) Bromoform	9.96	173	43168	18.60	ug/l #	99
73) Isopropylbenzene	10.17	105	247141	21.61	ug/l	98
74) N-amyl acetate	10.01	43	101741	18.70	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	81315	21.22	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	71509m	21.80	ug/l	
77) Bromobenzene	10.45	156	62498	21.58	ug/l	95
78) n-propylbenzene	10.59	91	279045	20.71	ug/l	97
79) 2-Chlorotoluene	10.66	91	170083	21.41	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	217587	21.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	26294m	18.55	ug/l	
82) 4-Chlorotoluene	10.78	91	196338	21.23	ug/l	99
83) tert-Butylbenzene	11.10	119	212457	22.28	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	217038	21.48	ug/l	100
85) sec-Butylbenzene	11.33	105	257173	21.55	ug/l	99
86) p-Isopropyltoluene	11.48	119	225102	21.06	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	112995	21.12	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	114728	21.31	ug/l	99
89) n-Butylbenzene	11.89	91	181604	19.13	ug/l	98
90) Hexachloroethane	12.15	117	38812	18.61	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	116968	21.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20888	19.75	ug/l	98

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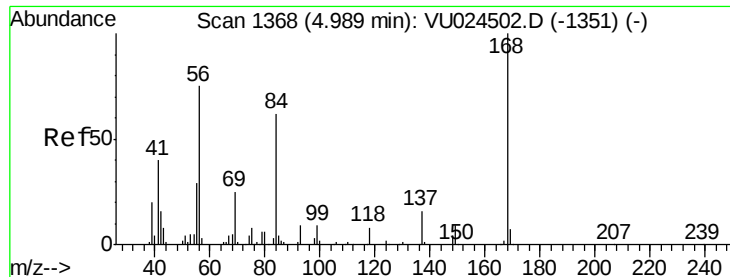
Manual Integrations
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6/29/2018 4:23:26 PM

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	74349	22.47	ug/l	99
94) Hexachlorobutadiene	13.70	225	40447	21.72	ug/l	99
95) Naphthalene	13.75	128	241282	22.41	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	77446	23.49	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion:168 Resp: 183678

Ion Ratio Lower Upper

168 100

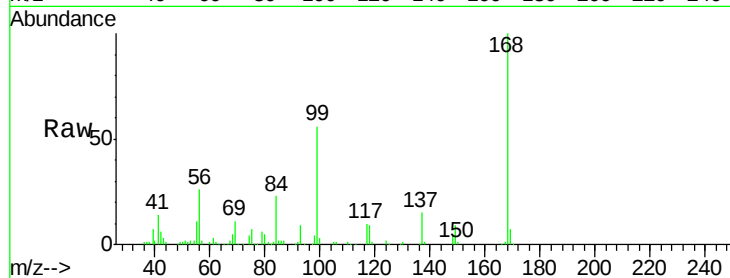
99 55.4 43.2 64.8

Manual Integrations

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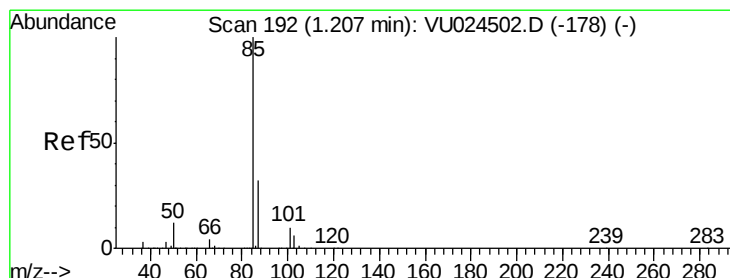
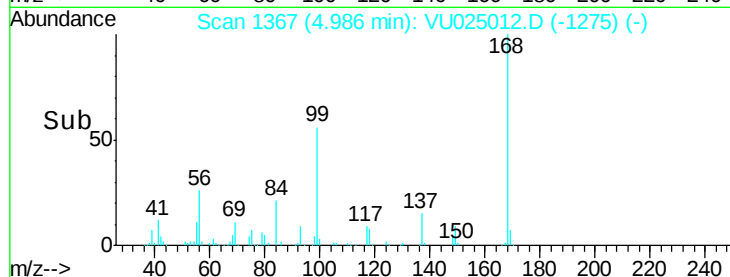
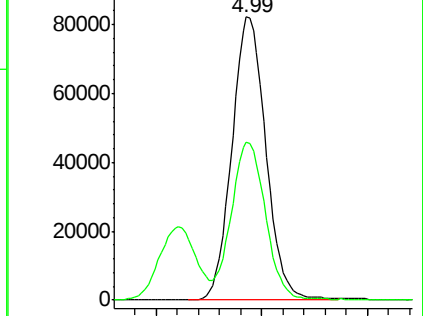
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 16.68 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025012.D

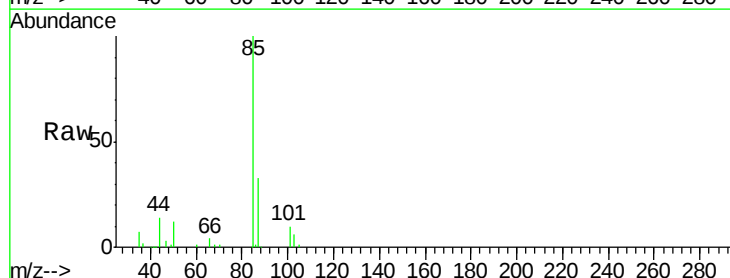
Acq: 28 Jun 2018 11:50

Tgt Ion: 85 Resp: 38341

Ion Ratio Lower Upper

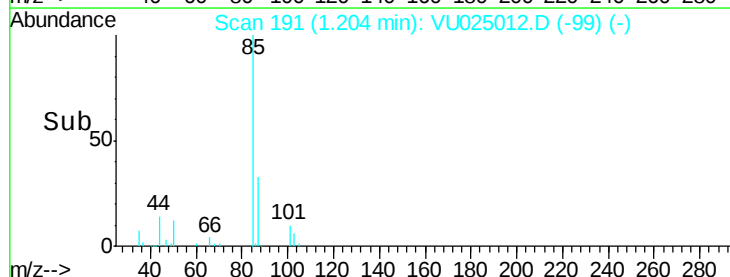
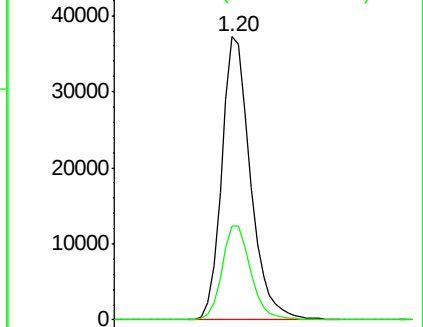
85 100

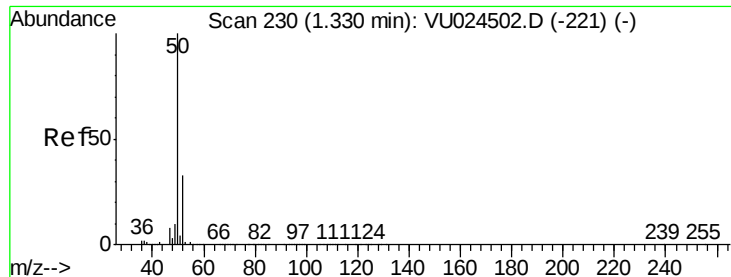
87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 17.03 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 50 Resp: 40009

Ion Ratio Lower Upper

50 100

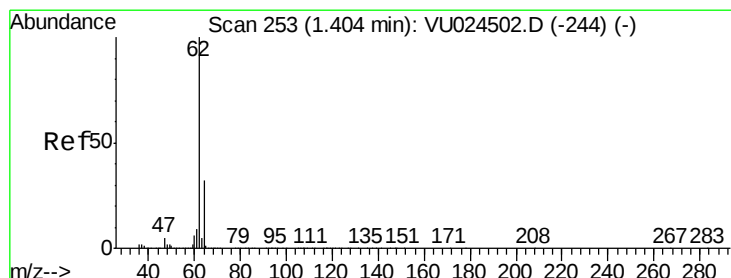
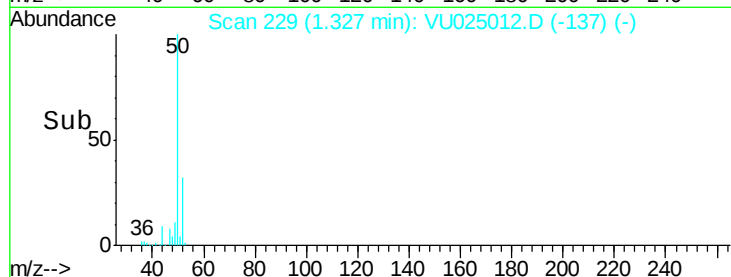
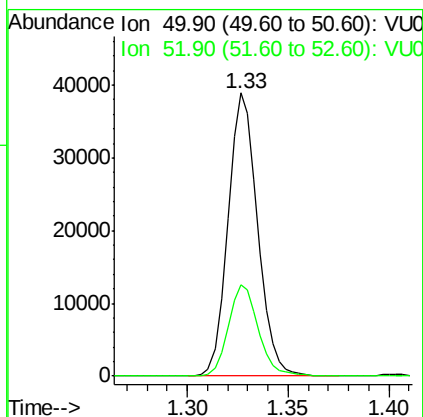
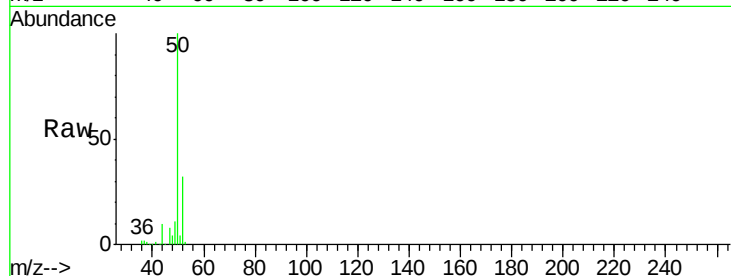
52 32.5 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.55 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025012.D

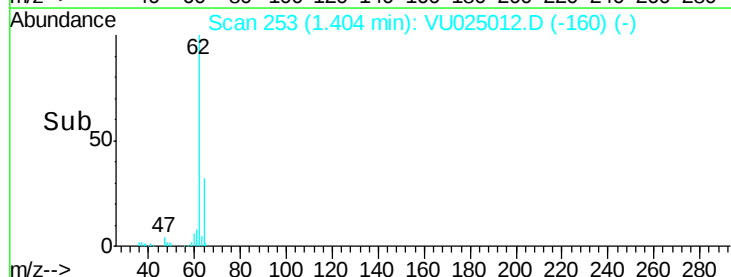
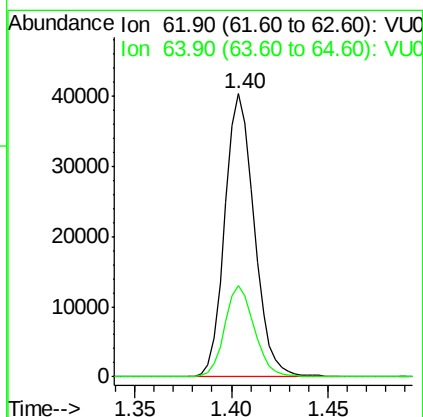
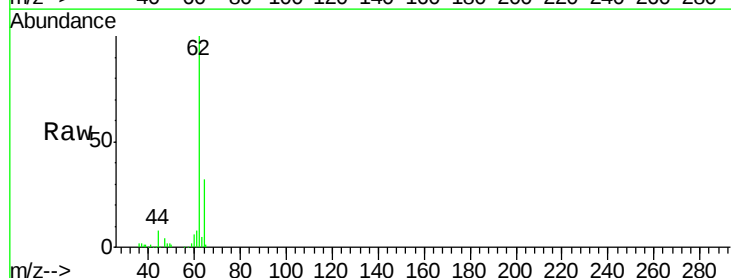
Acq: 28 Jun 2018 11:50

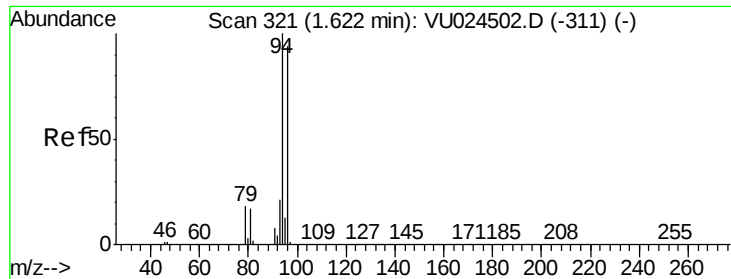
Tgt Ion: 62 Resp: 42514

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 24.12 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 94 Resp: 28246

Ion Ratio Lower Upper

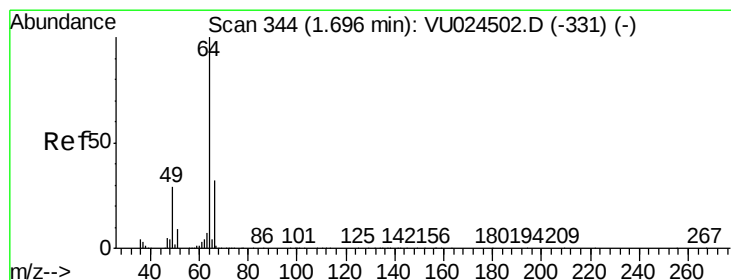
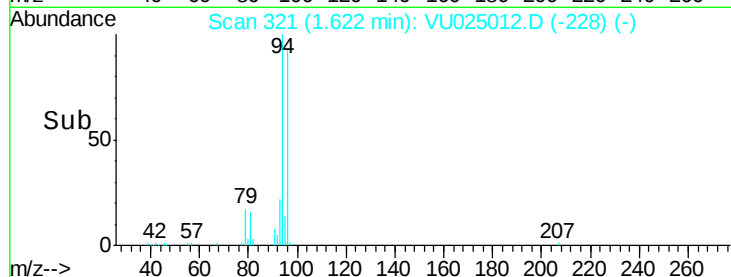
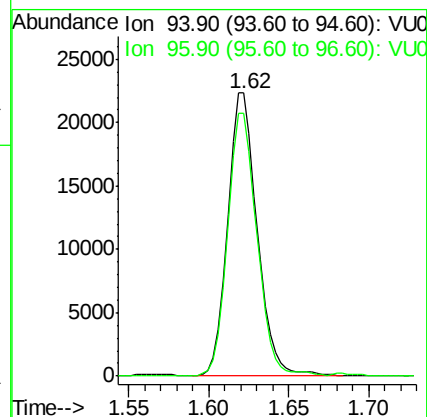
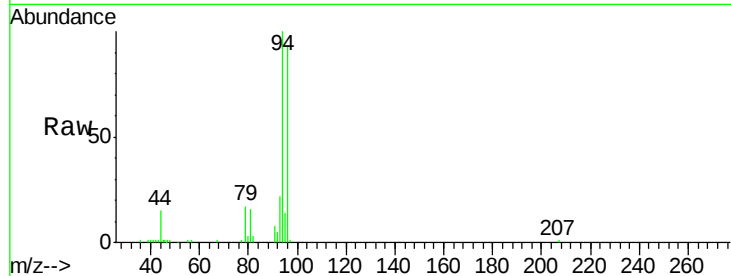
94 100

96 92.7 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 20.20 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025012.D

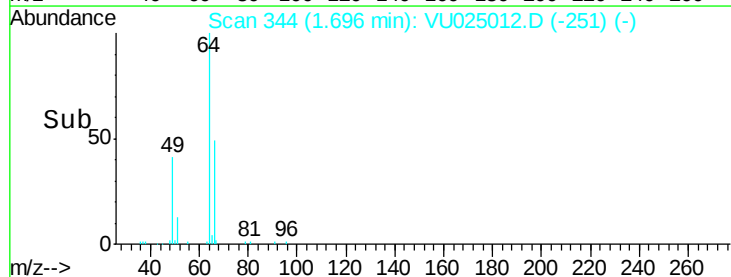
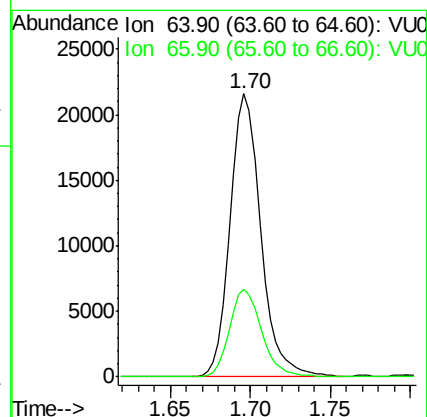
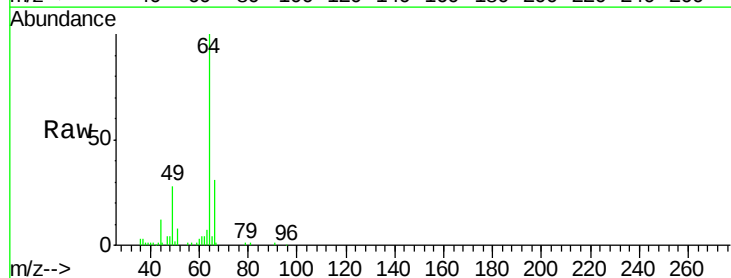
Acq: 28 Jun 2018 11:50

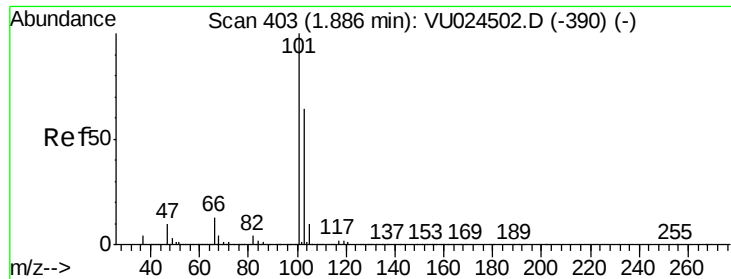
Tgt Ion: 64 Resp: 28196

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

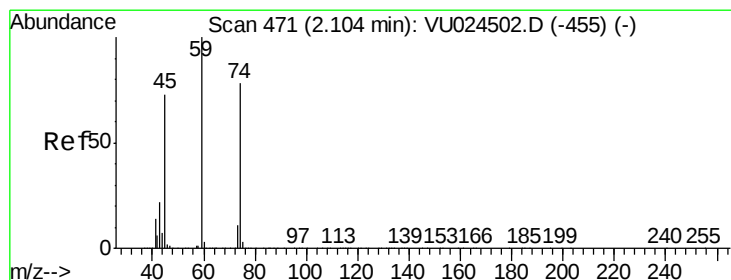
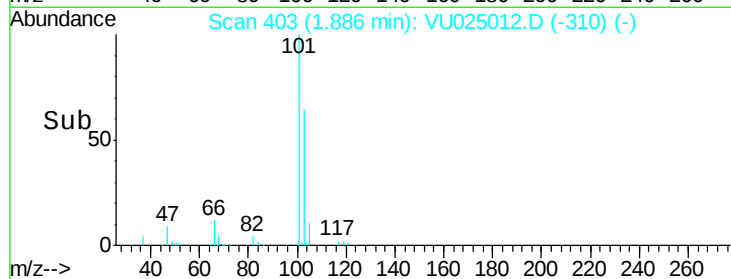
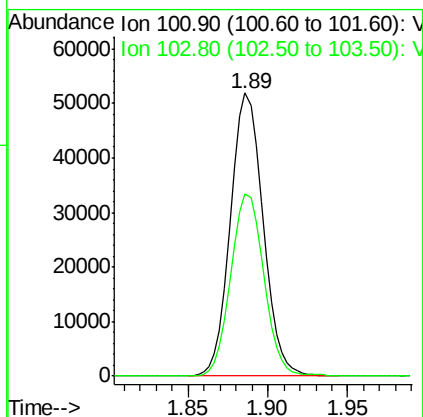
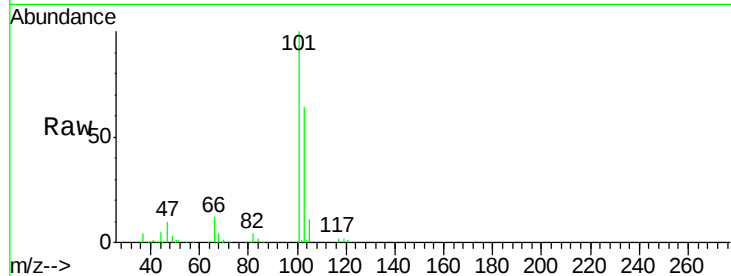
Trichlorofluoromethane
Concen: 19.48 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
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ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

Manual Integrations
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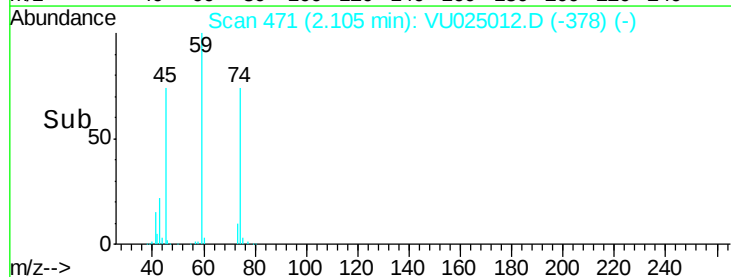
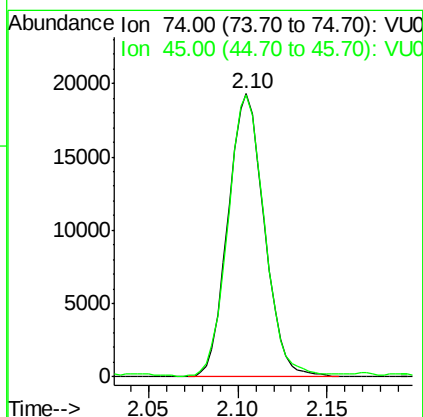
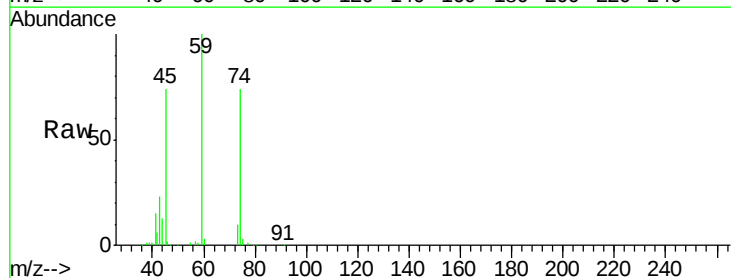
MMDadoda
6/29/2018 4:23:26 PM

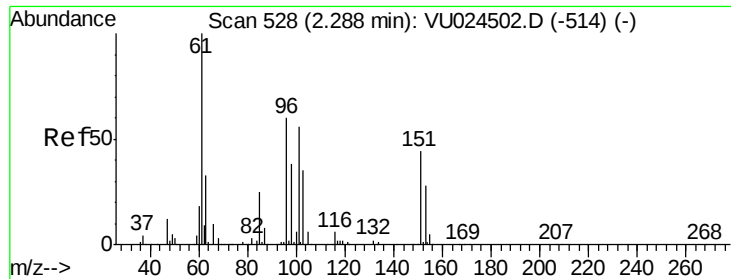


#8

Diethyl Ether
Concen: 20.51 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.18 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

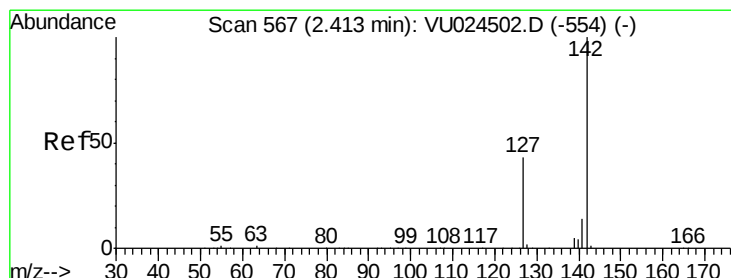
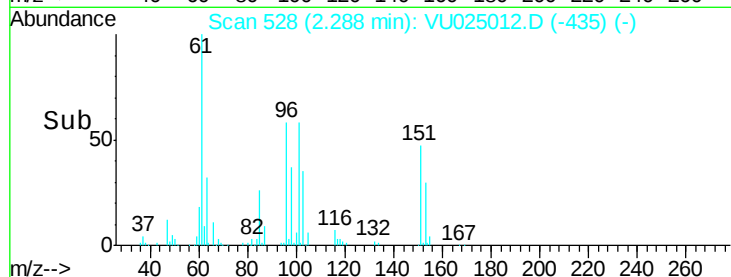
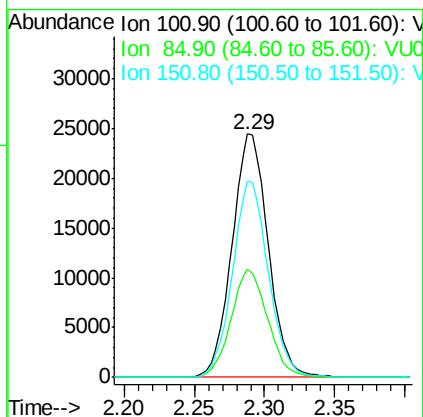
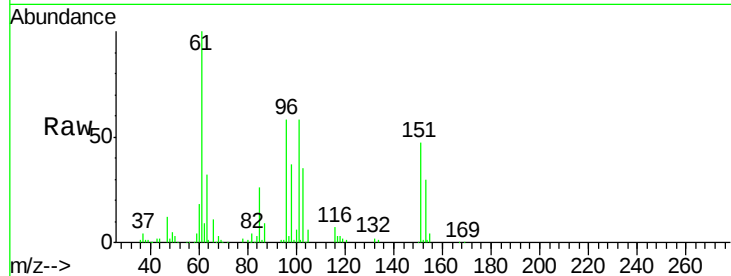
ClientSampleId :

VU0628WBS01

Tot Ion:	101	Resp:	43995
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	79.8	62.3	93.5

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#10

Methyl Iodide

Concen: 26.40 ug/l

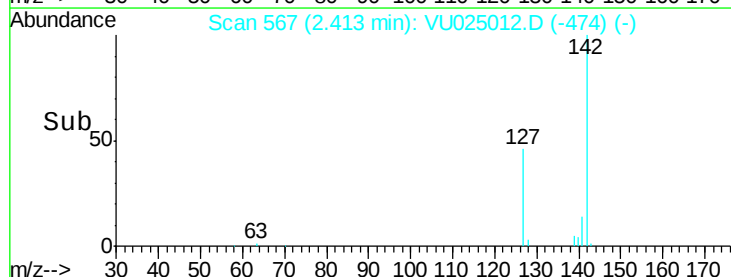
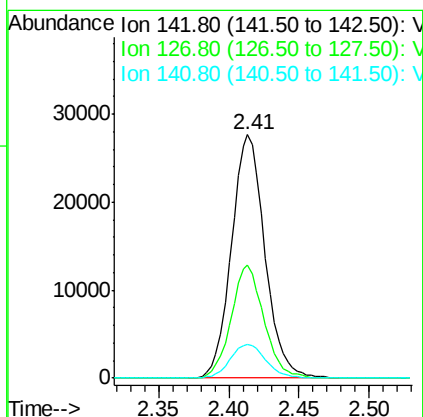
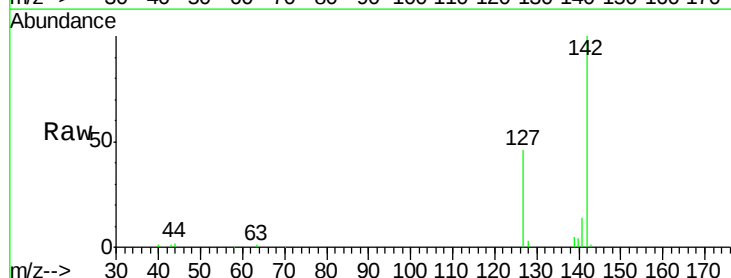
RT: 2.41 min Scan# 567

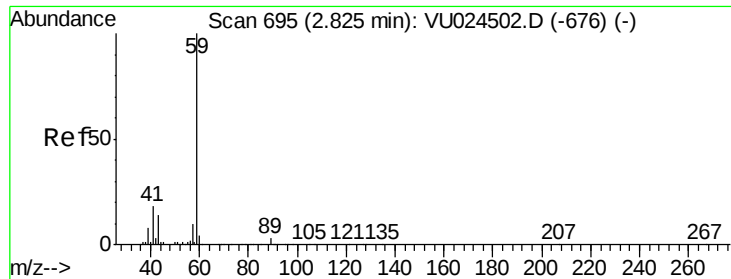
Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	142	Resp:	45829
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.6	53.4
141	14.6	11.7	17.5





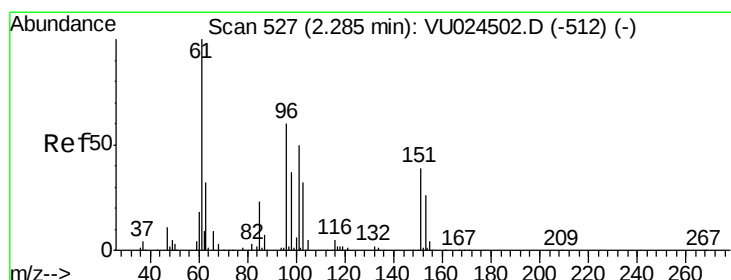
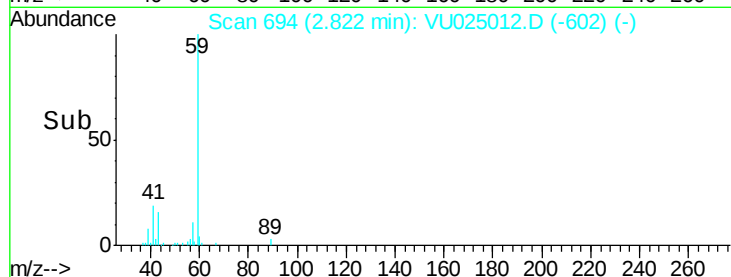
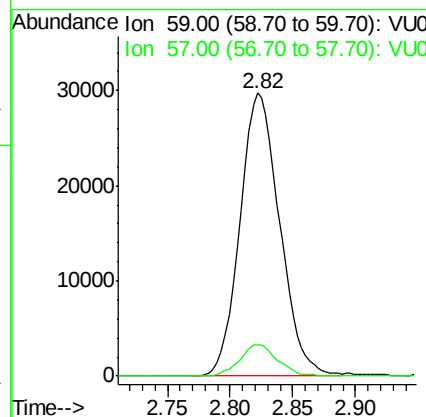
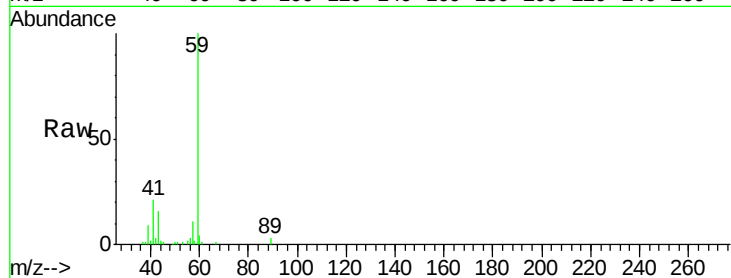
#11
Tert butyl alcohol
Concen: 89.80 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

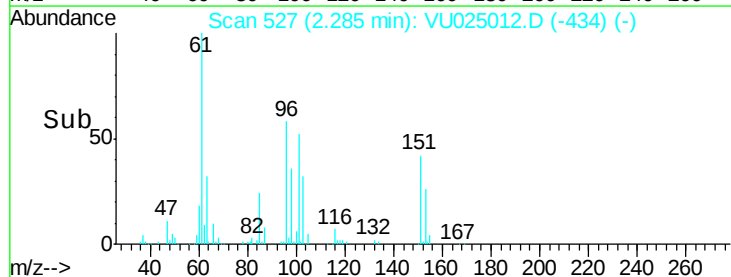
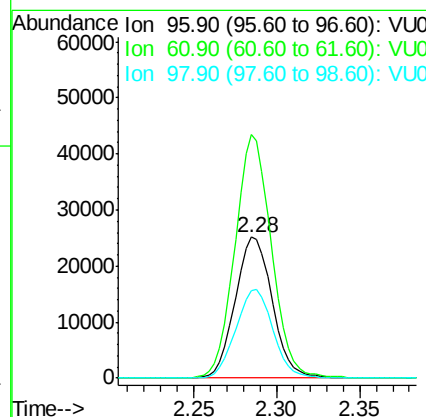
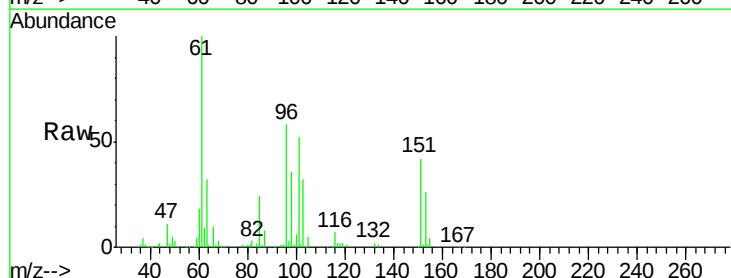
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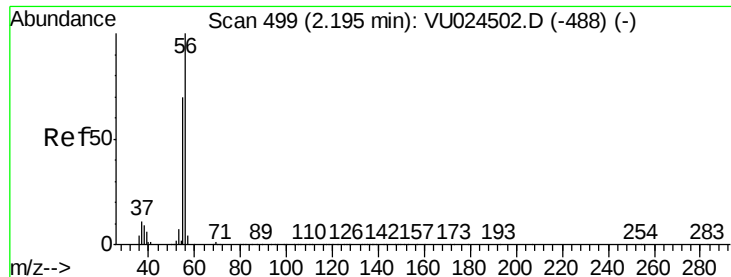
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.76 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	141.7	212.5
98	62.0	51.6	77.4





#13

Acrolein

Concen: 34.26 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 56 Resp: 13122

Ion Ratio Lower Upper

56 100

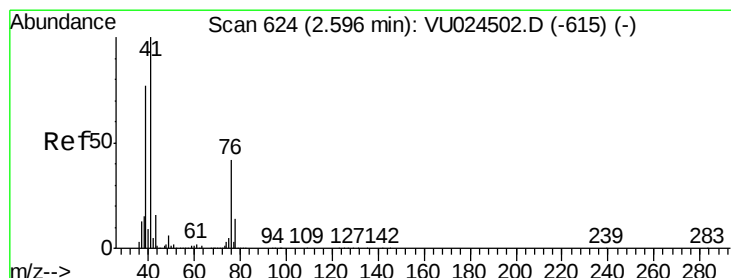
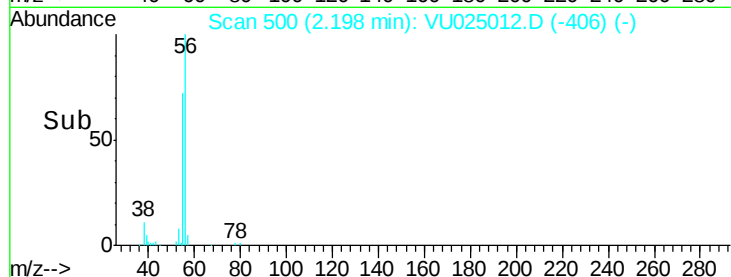
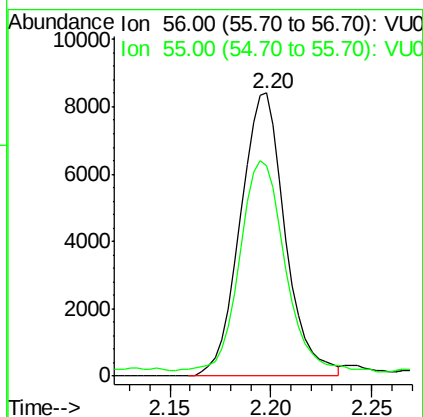
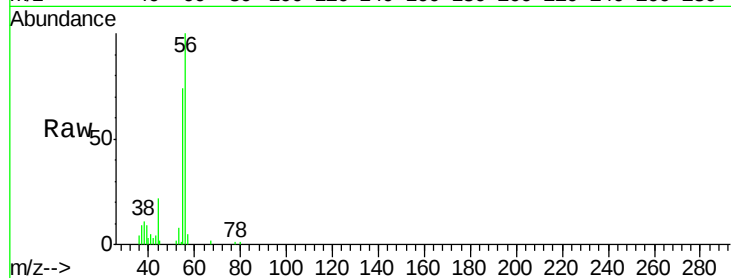
55 75.6 58.4 87.6

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#14

Allyl chloride

Concen: 17.35 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

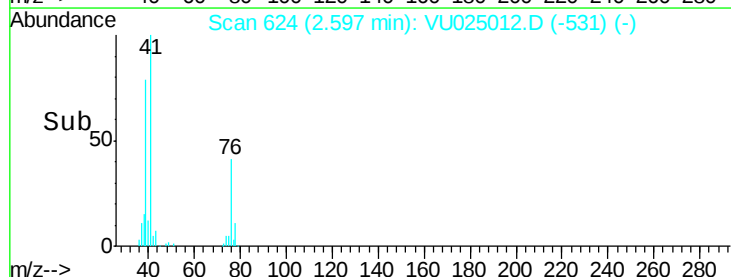
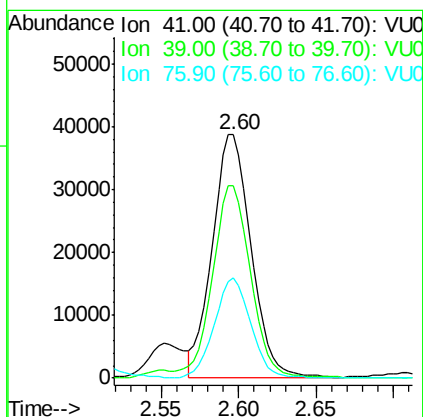
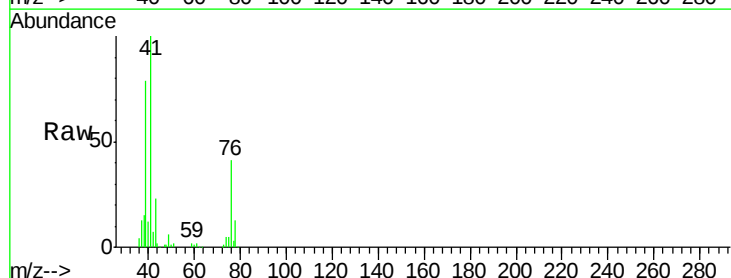
Tgt Ion: 41 Resp: 67381

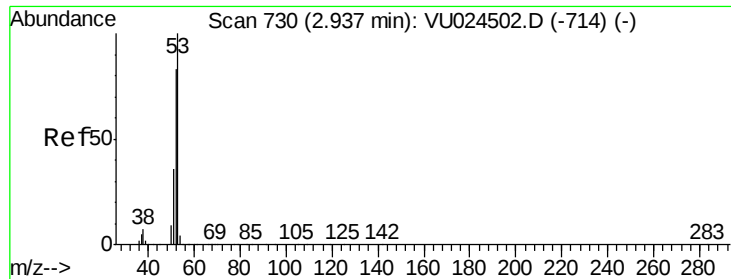
Ion Ratio Lower Upper

41 100

39 76.7 61.6 92.4

76 38.6 29.7 44.5





#15

Acrylonitrile

Concen: 96.08 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

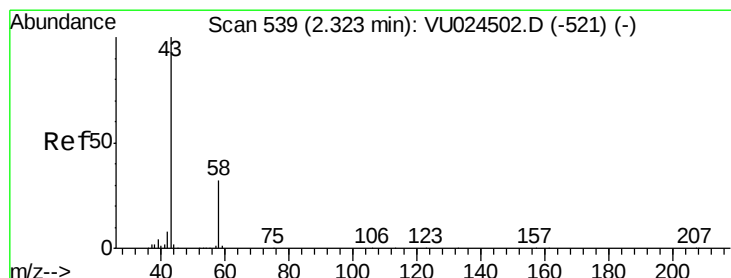
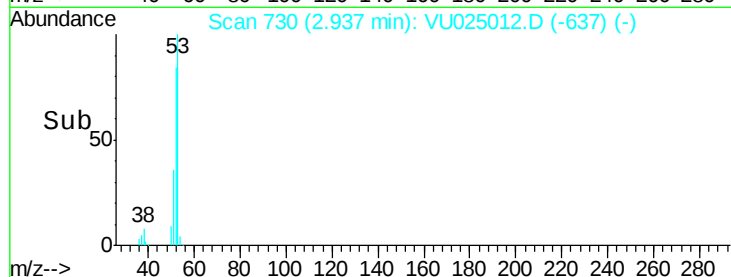
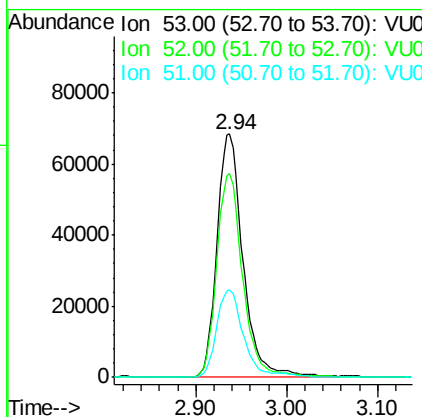
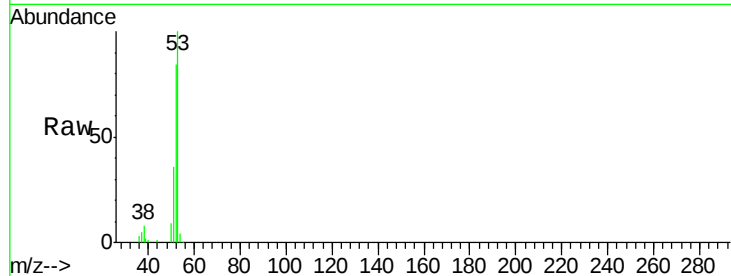
ClientSampleId :

VU0628WBS01

Tot Ion:	53	Resp:	136322
Ion Ratio	Lower	Upper	
53	100		
52	83.2	67.1	100.7
51	37.7	28.4	42.6

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#16

Acetone

Concen: 99.90 ug/l

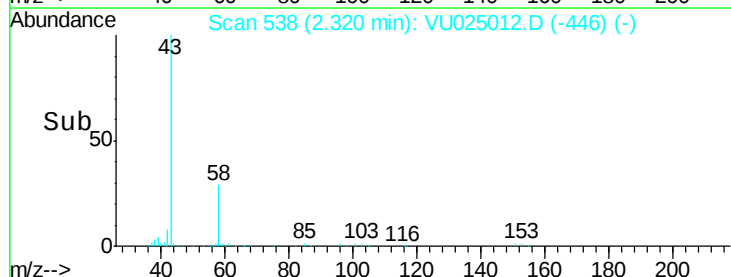
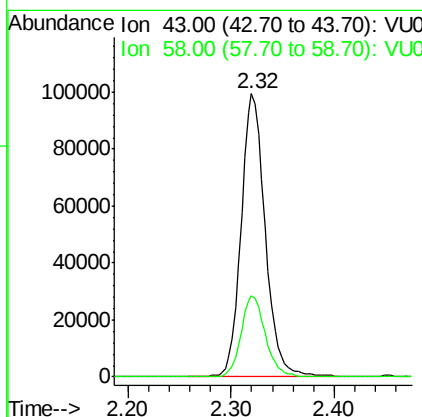
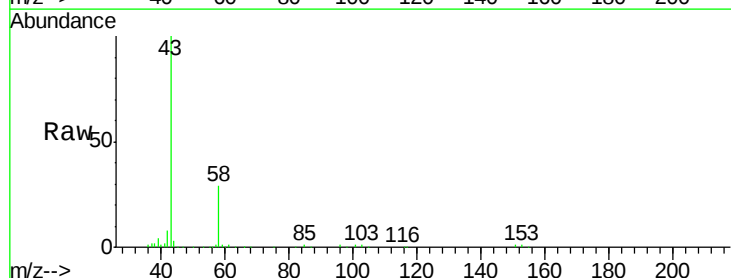
RT: 2.32 min Scan# 538

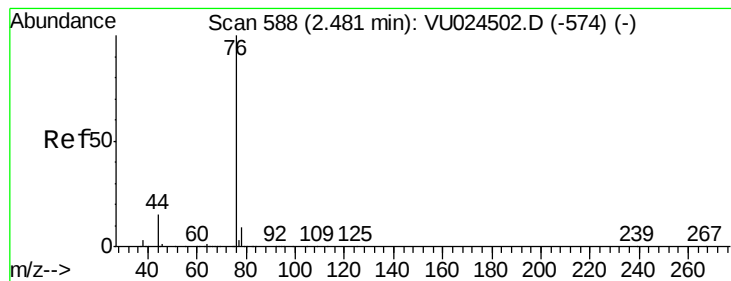
Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	43	Resp:	160949
Ion Ratio	Lower	Upper	
43	100		
58	28.6	24.4	36.6





#17

Carbon Disulfide

Concen: 16.88 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 76 Resp: 113026

Ion Ratio Lower Upper

76 100

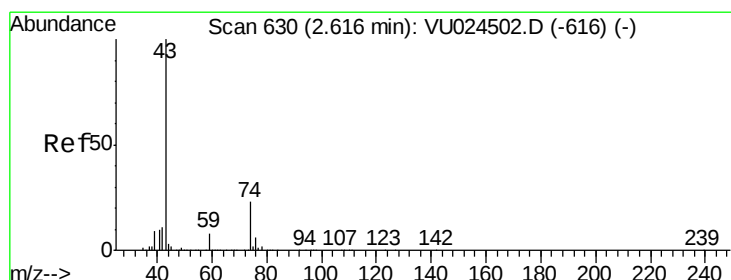
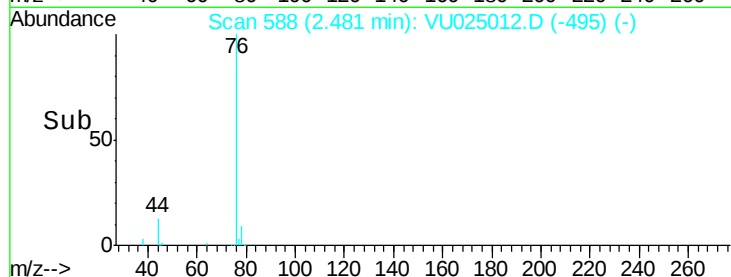
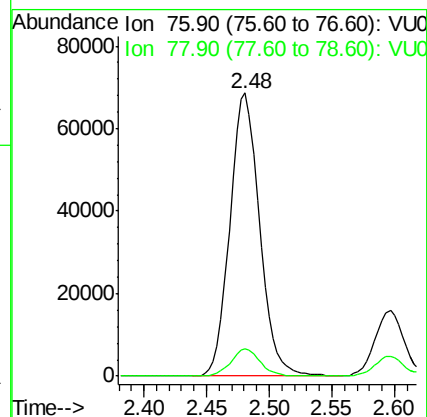
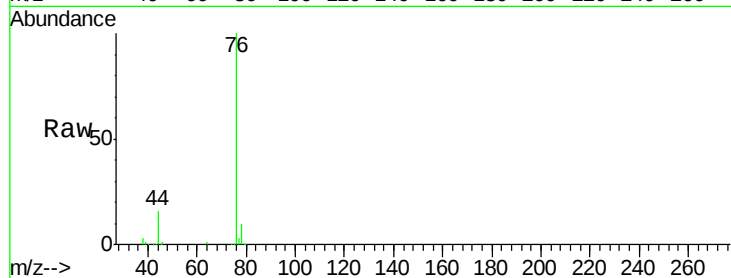
78 9.6 7.1 10.7

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#18

Methyl Acetate

Concen: 22.56 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025012.D

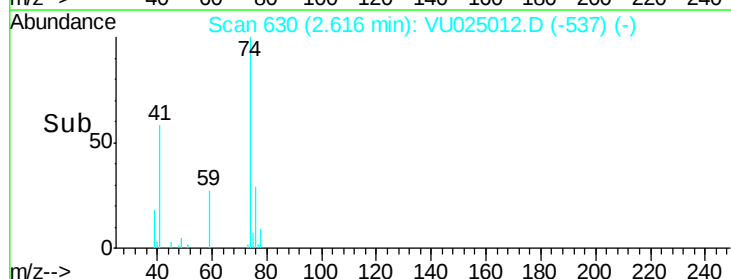
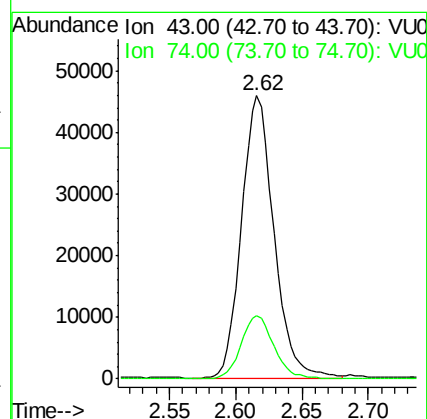
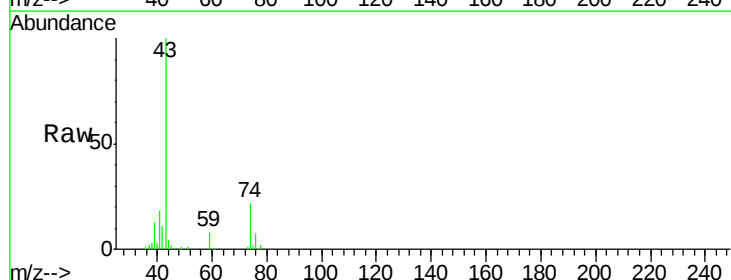
Acq: 28 Jun 2018 11:50

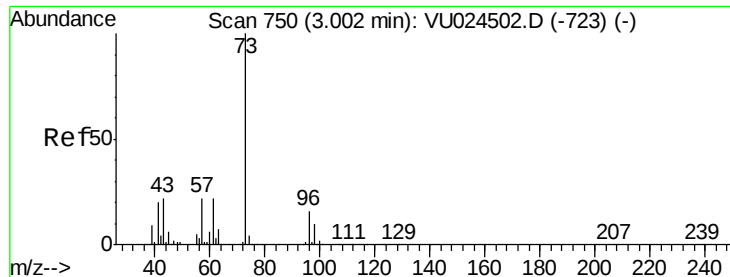
Tgt Ion: 43 Resp: 77922

Ion Ratio Lower Upper

43 100

74 22.8 18.0 27.0





#19

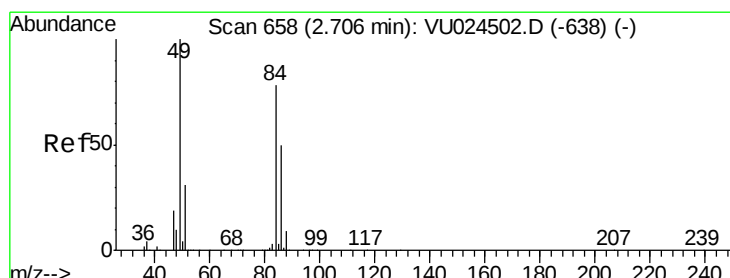
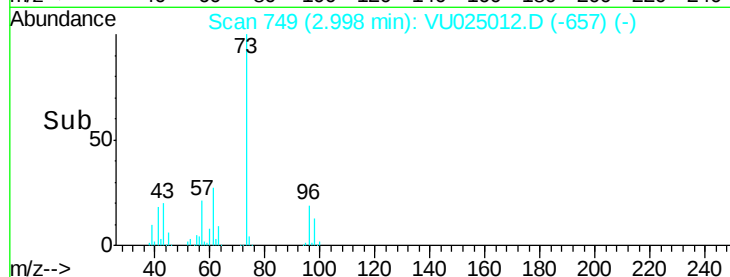
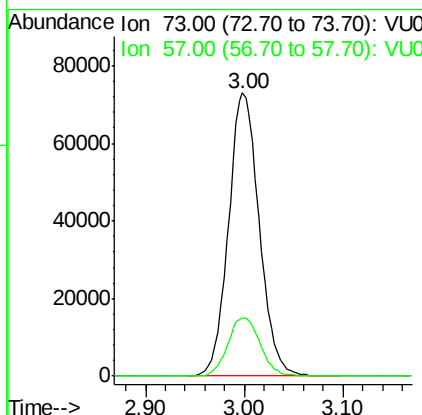
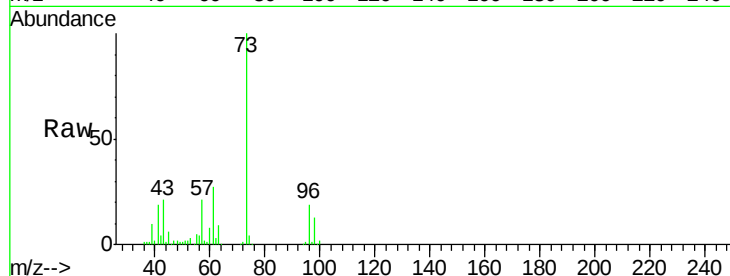
Methyl tert-butyl Ether
 Concen: 20.17 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	18.8	28.2

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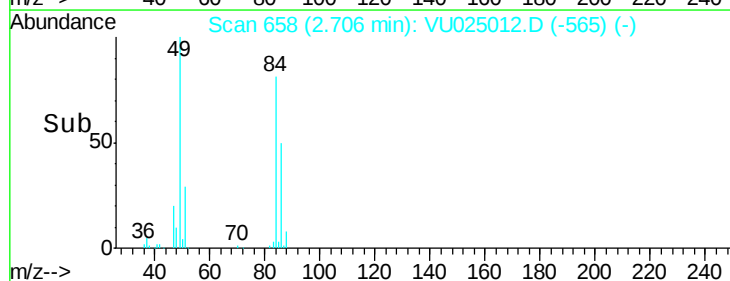
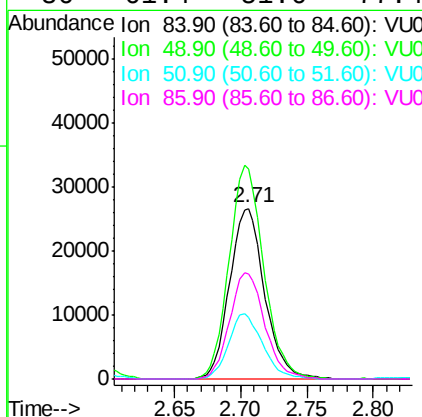
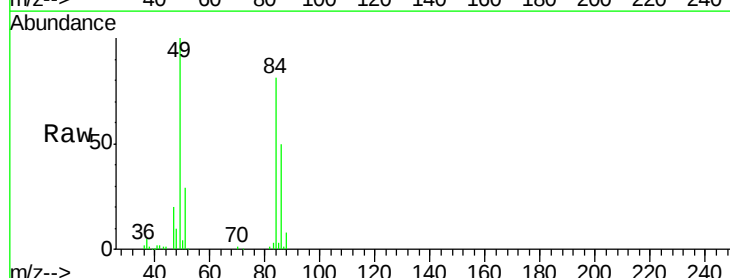
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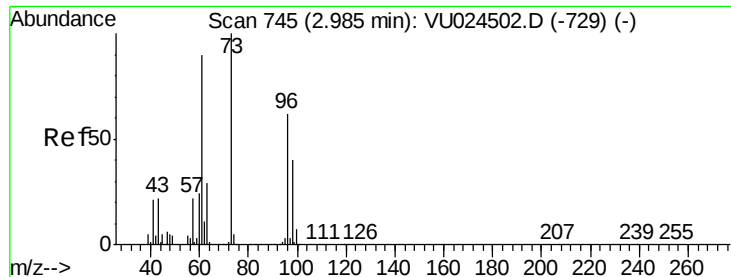


#20

Methylene Chloride
 Concen: 19.34 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	103.8	155.8
51	36.1	32.0	48.0
86	61.4	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.13 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

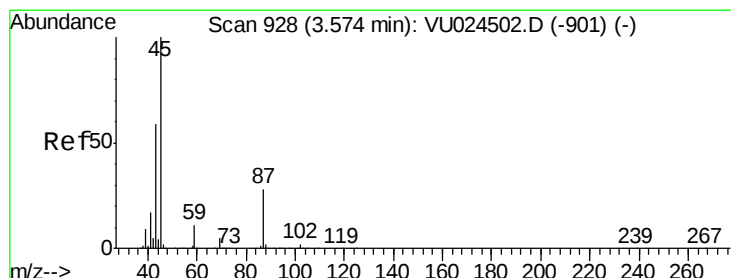
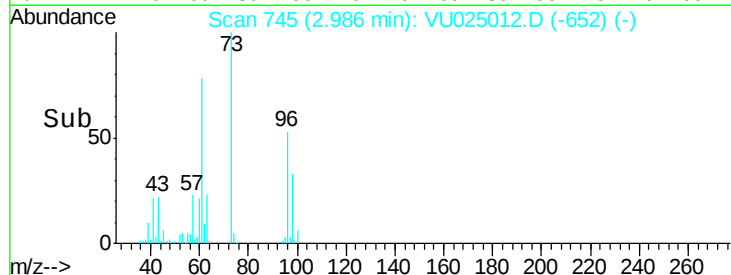
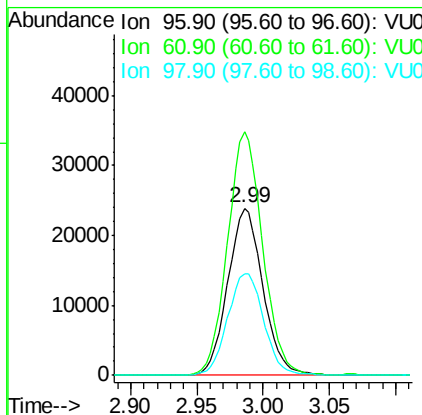
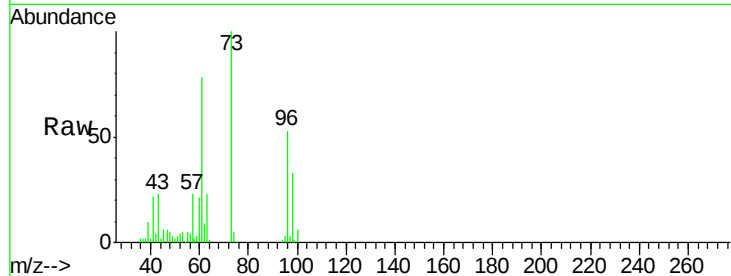
ClientSampleId :

VU0628WBS01

Tot Ion:	96	Resp:	44070
Ion	Ratio	Lower	Upper
96	100		
61	145.6	119.4	179.0
98	61.1	51.1	76.7

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#22

Diisopropyl ether

Concen: 19.87 ug/l

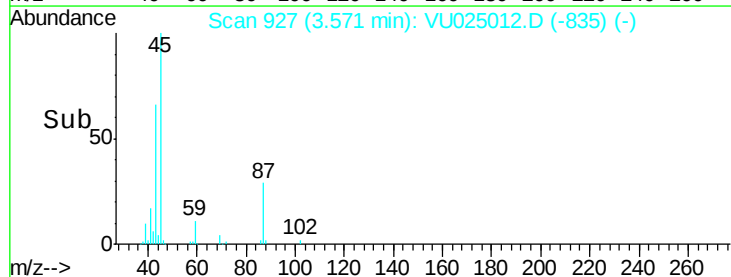
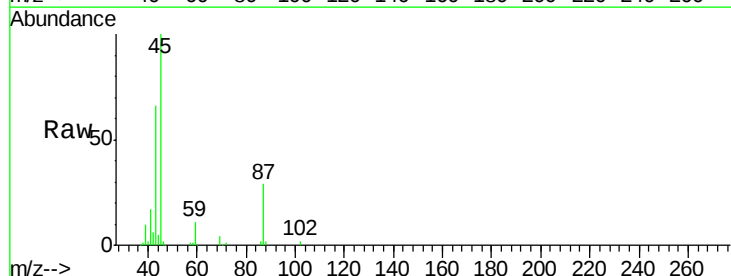
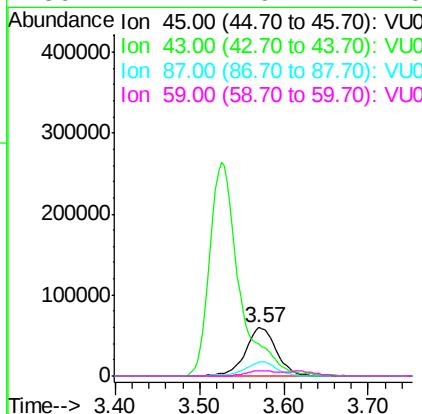
RT: 3.57 min Scan# 927

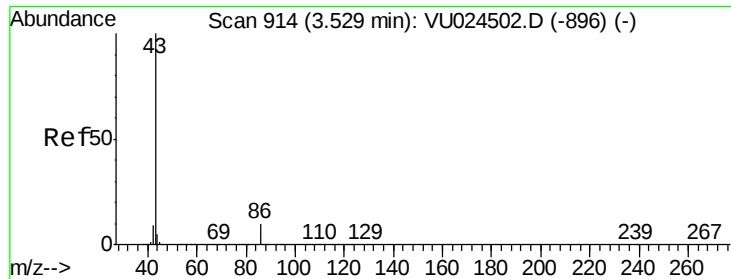
Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	45	Resp:	152986
Ion	Ratio	Lower	Upper
45	100		
43	64.5	45.8	68.6
87	28.5	20.6	31.0
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 93.42 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025012.D

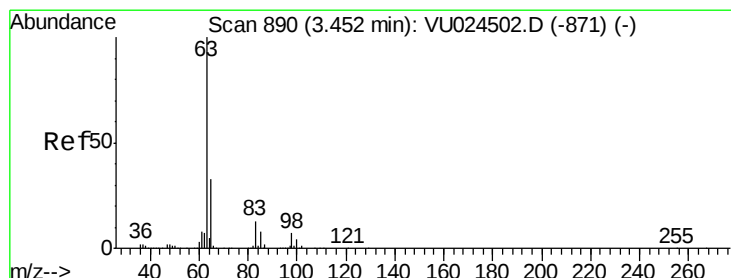
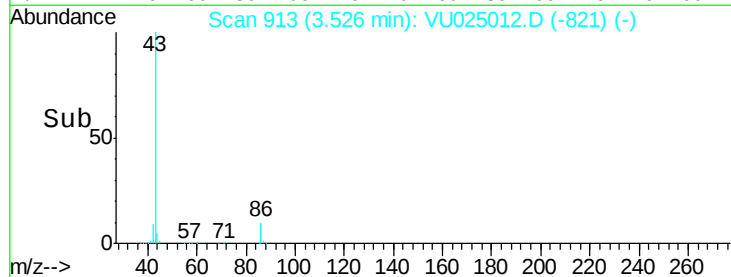
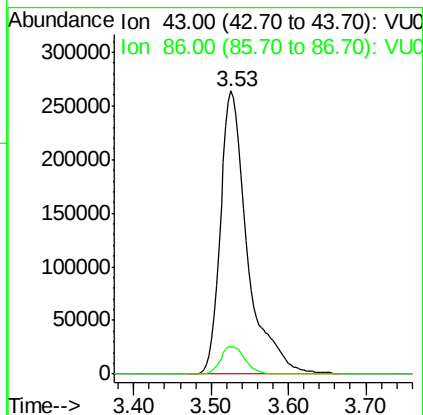
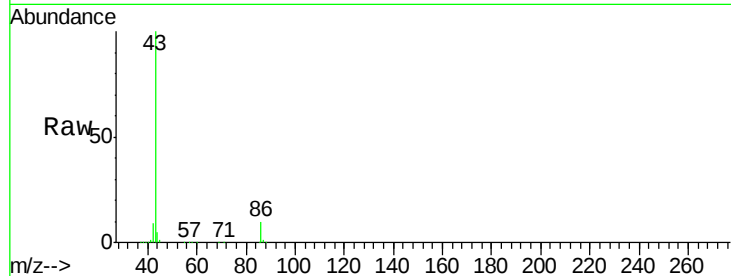
Acq: 28 Jun 2018 11:50

Tot Ion:	43	Resp:	644206
Ion Ratio	Lower	Upper	
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

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#24

1,1-Dichloroethane

Concen: 19.36 ug/l

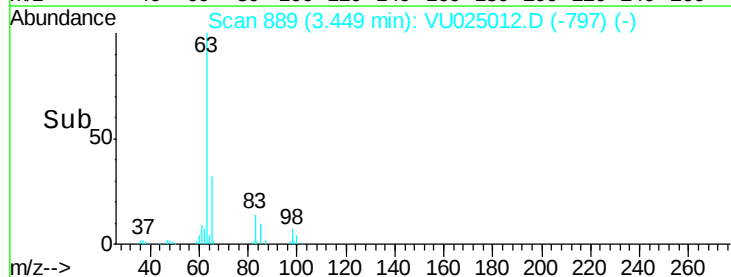
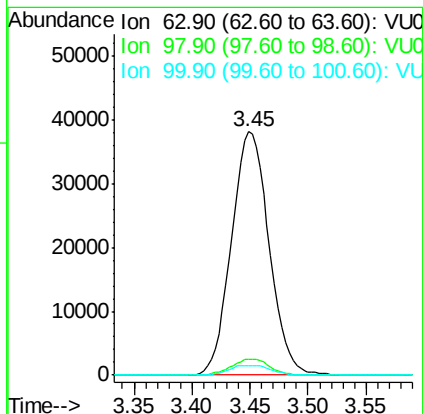
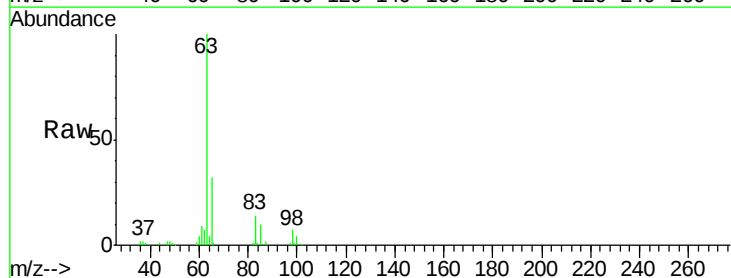
RT: 3.45 min Scan# 889

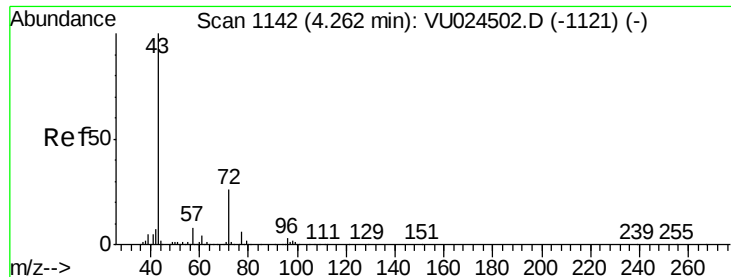
Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	63	Resp:	85754
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.4
100	4.0	1.8	5.5





#25

2-Butanone

Concen: 97.62 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 43 Resp: 211254

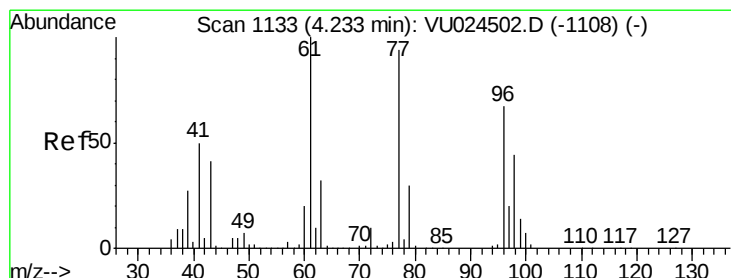
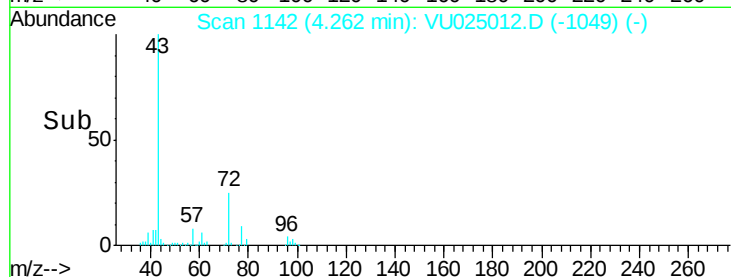
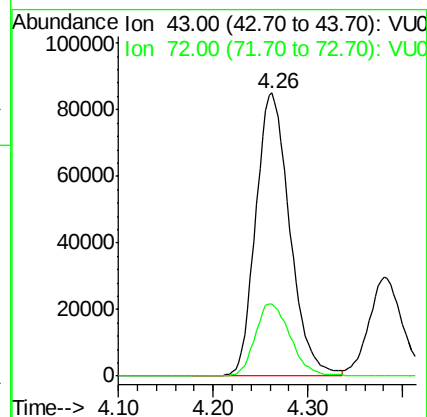
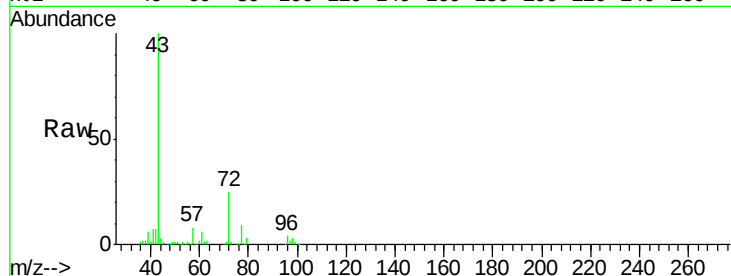
Ion Ratio Lower Upper

43 100

72 25.3 19.6 29.4

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#26

2,2-Dichloropropane

Concen: 19.24 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025012.D

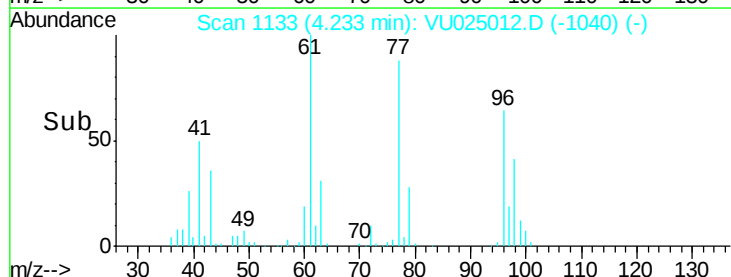
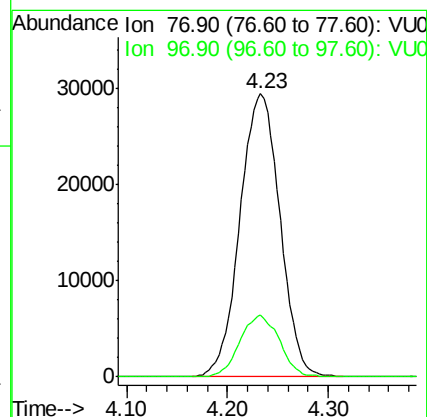
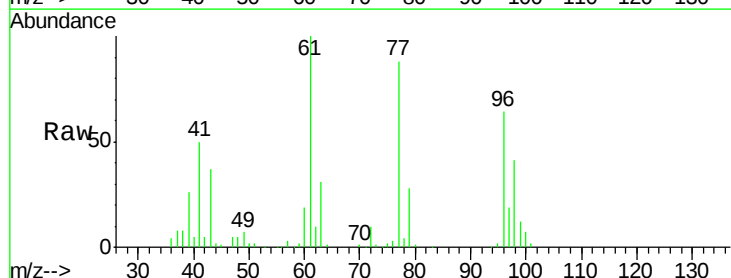
Acq: 28 Jun 2018 11:50

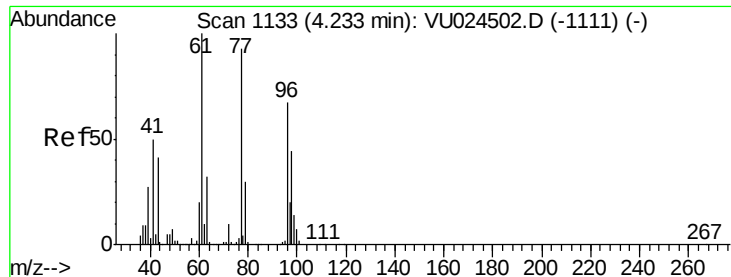
Tgt Ion: 77 Resp: 80923

Ion Ratio Lower Upper

77 100

97 21.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.07 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

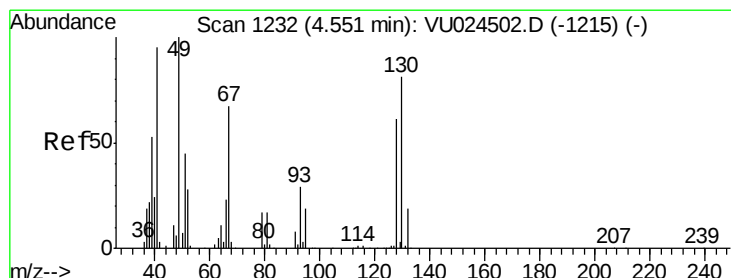
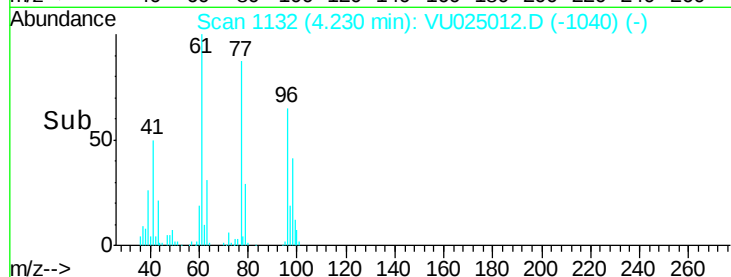
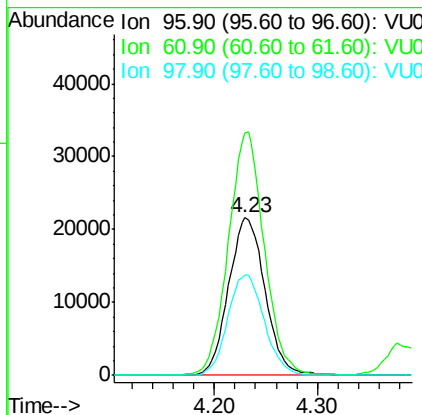
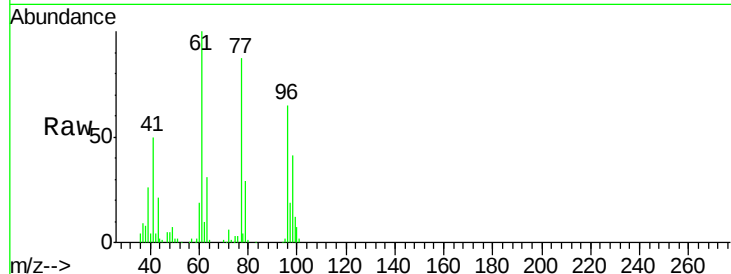
ClientSampleId :

VU0628WBS01

Tot Ion:	96	Resp:	53156
Ion Ratio	Lower	Upper	
96	100		
61	152.1	0.0	306.6
98	64.0	0.0	128.8

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#28

Bromochloromethane

Concen: 20.66 ug/l

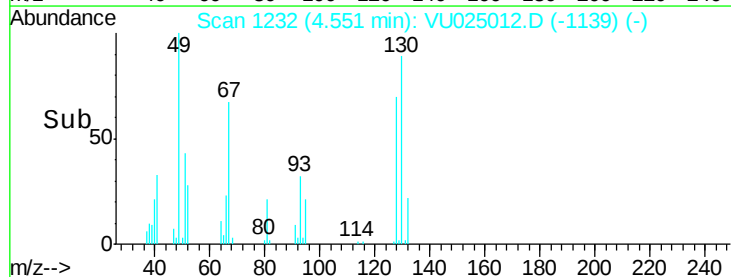
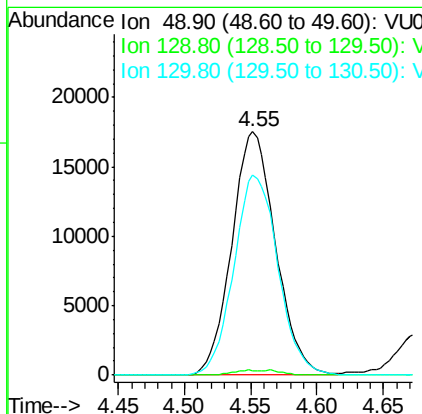
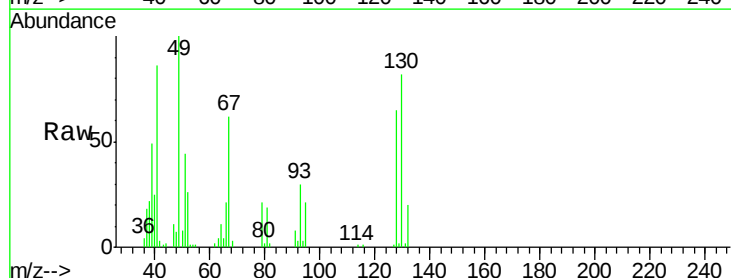
RT: 4.55 min Scan# 1232

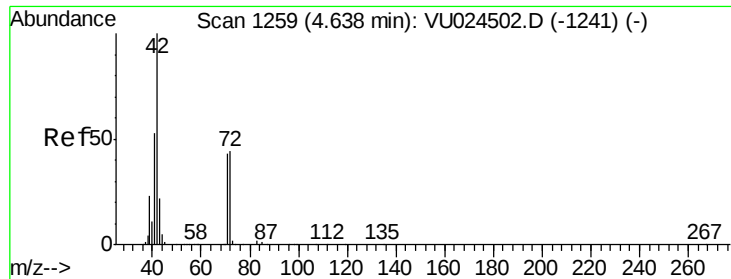
Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	49	Resp:	40291
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	82.9	57.8	86.6





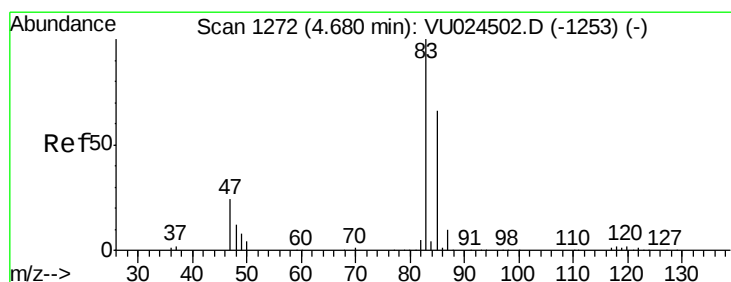
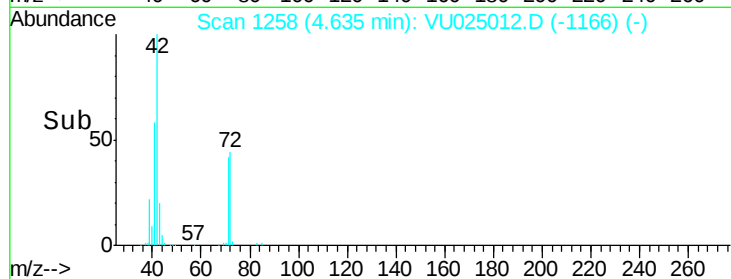
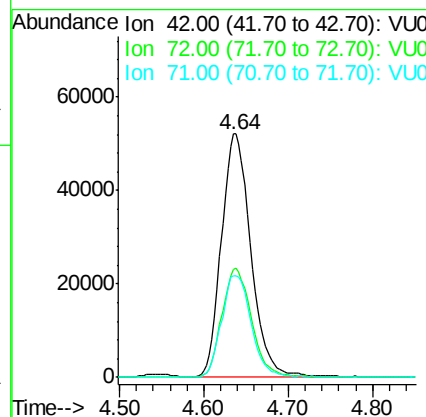
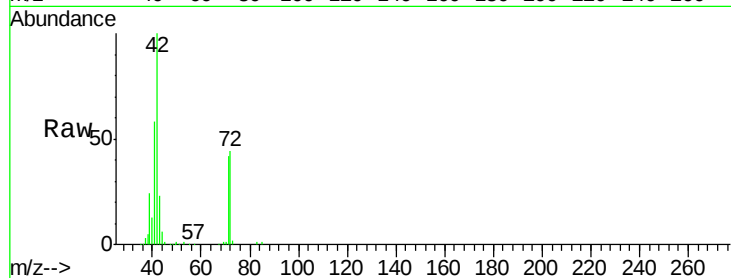
#29
Tetrahydrofuran
Concen: 93.96 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.5	51.7
71	42.0	32.2	48.4

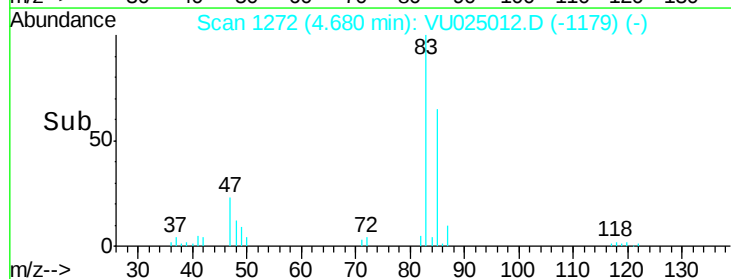
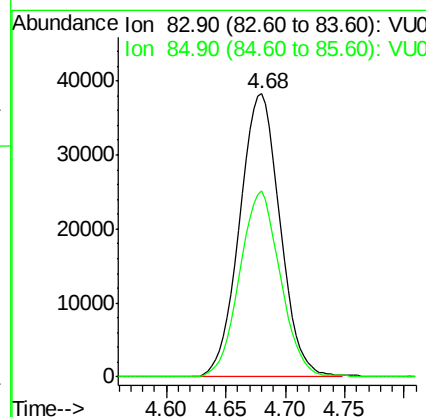
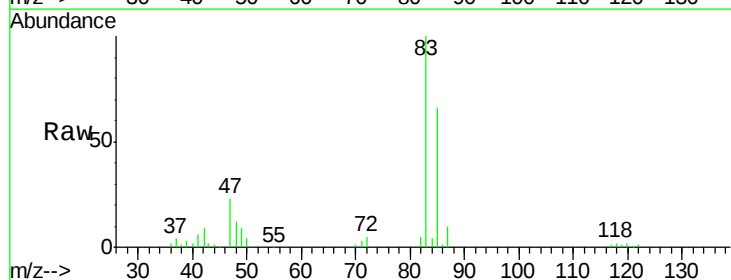
Manual Integrations
APPROVED

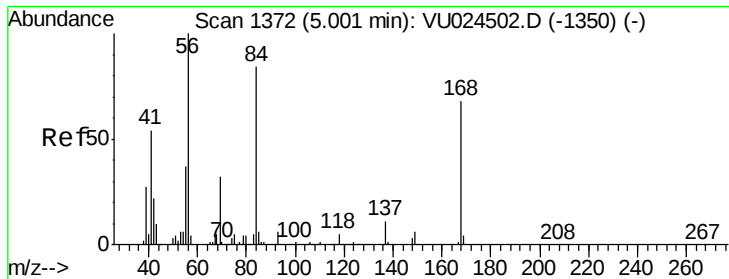
MMDadoda
6/29/2018 4:23:26 PM



#30
Chloroform
Concen: 20.13 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6





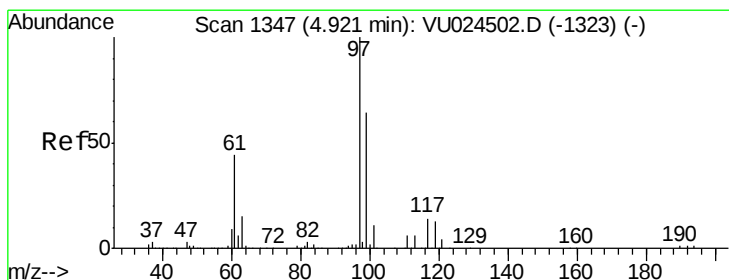
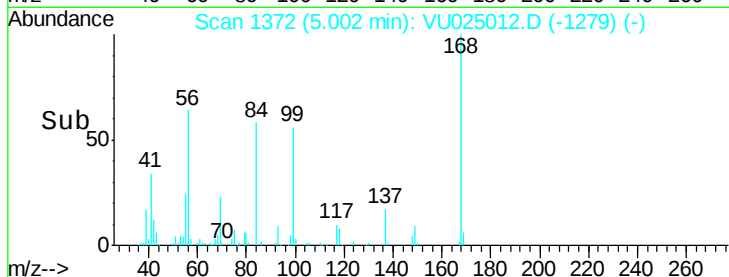
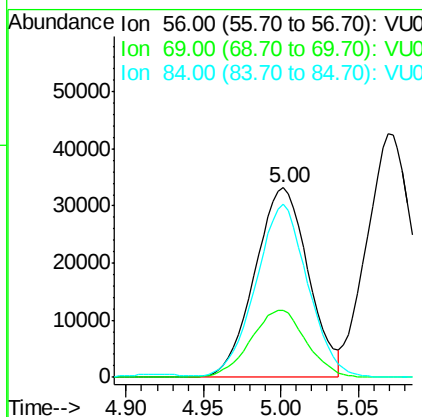
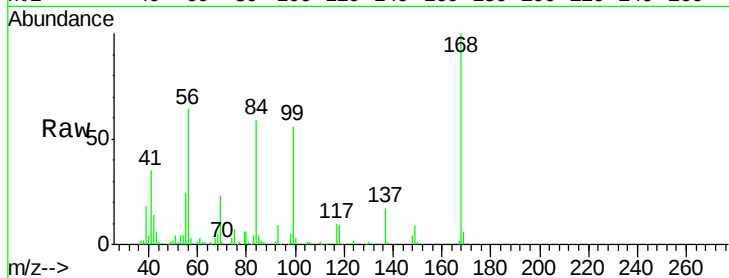
#31
Cyclohexane
Concen: 19.12 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	24.8	37.2
84	90.4	65.2	97.8

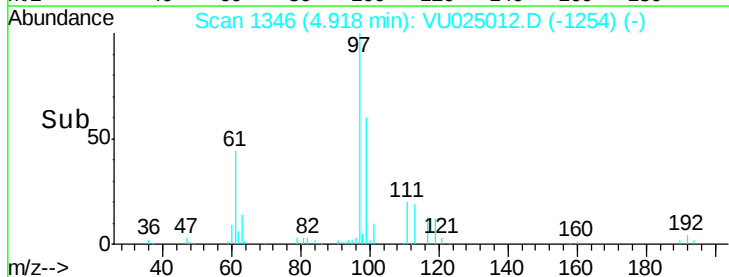
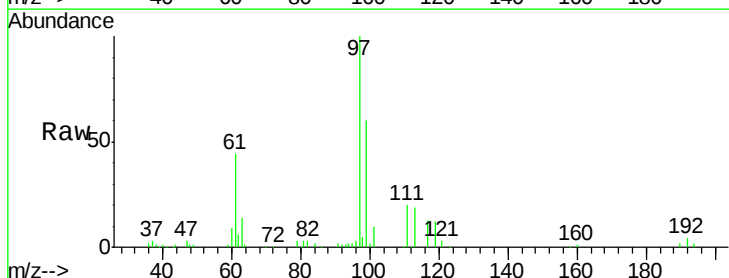
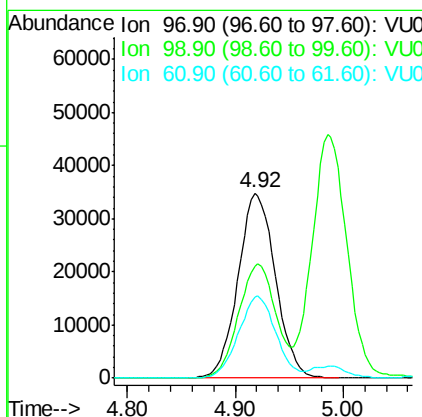
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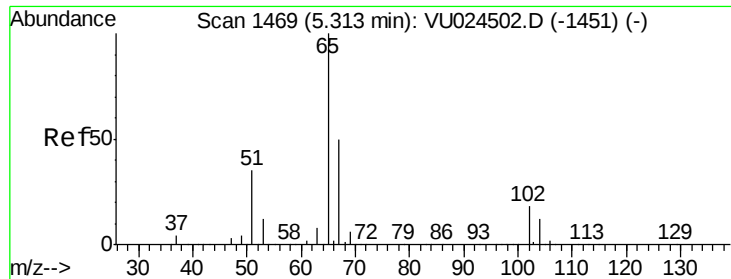
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.27 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.6
61	44.3	39.4	59.0





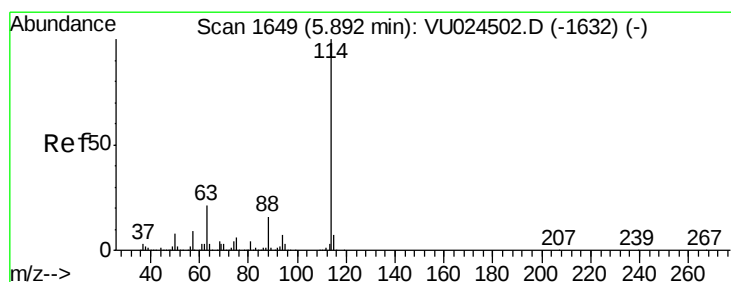
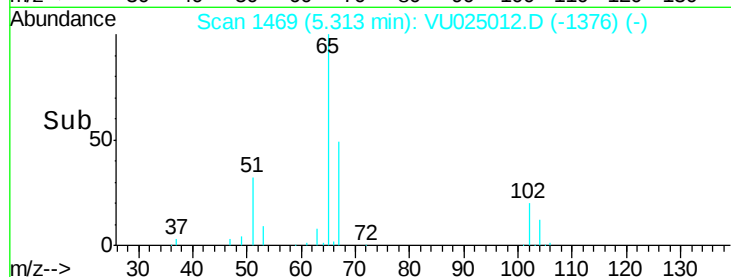
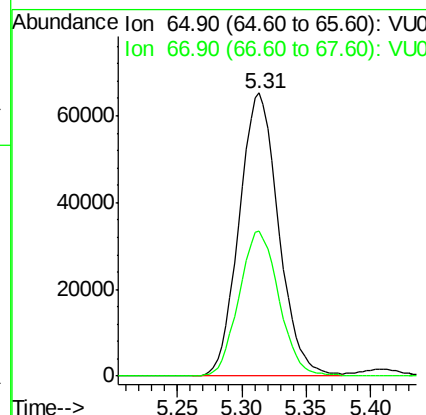
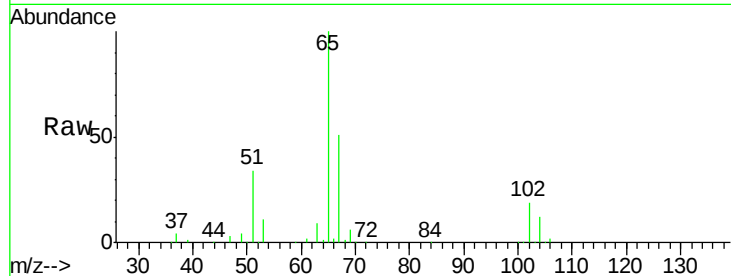
#33
 1,2-Dichloroethane-d4
 Concen: 46.30 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138820		
67	51.8	0.0	107.0	

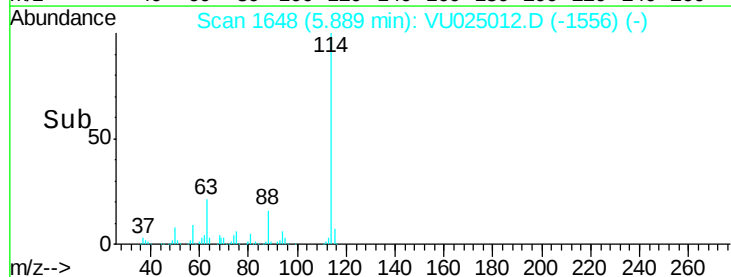
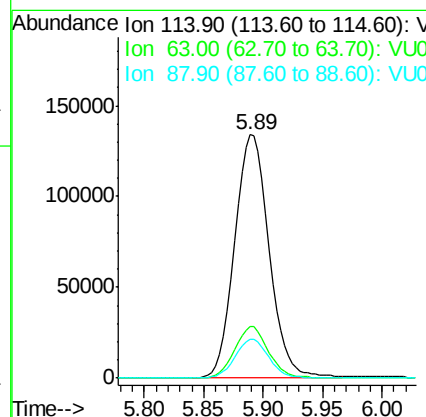
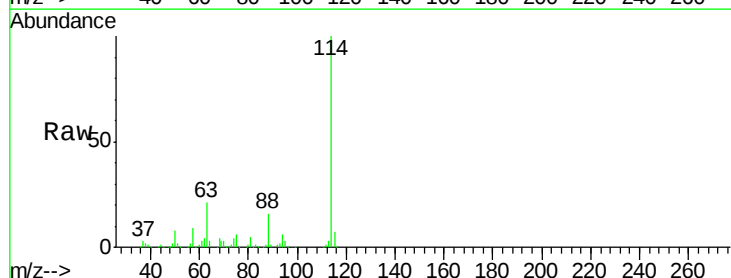
Manual Integrations
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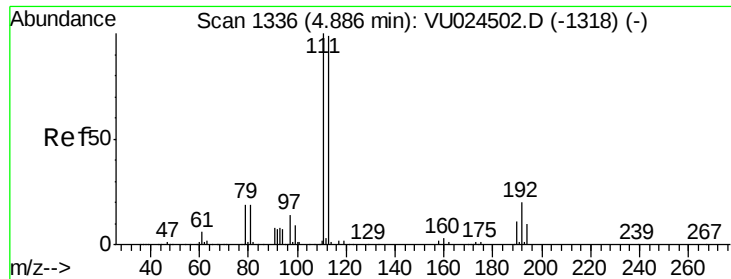
MMDadoda
 6/29/2018 4:23:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270126		
63	21.3	0.0	45.4	
88	15.8	0.0	31.0	





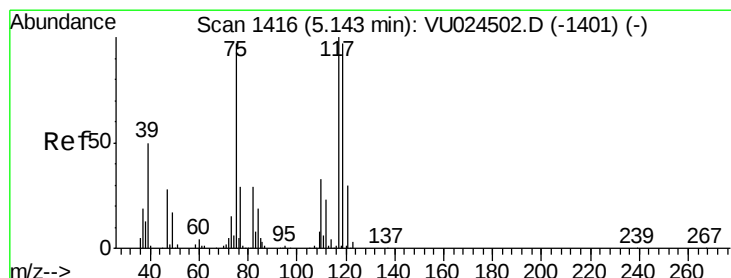
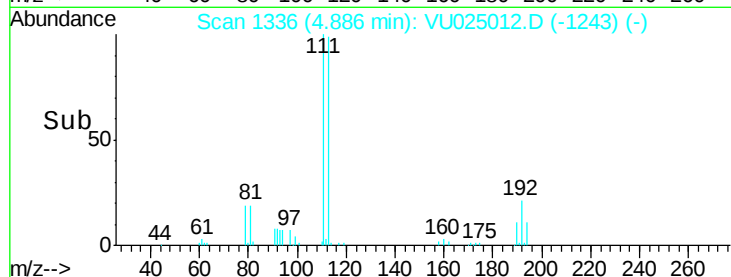
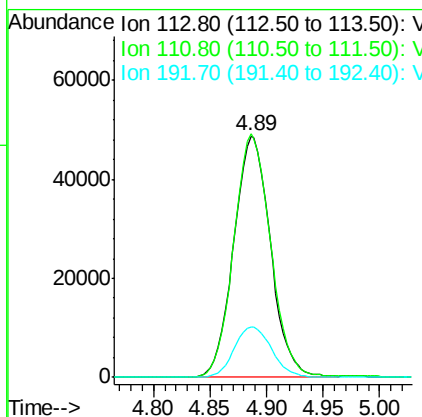
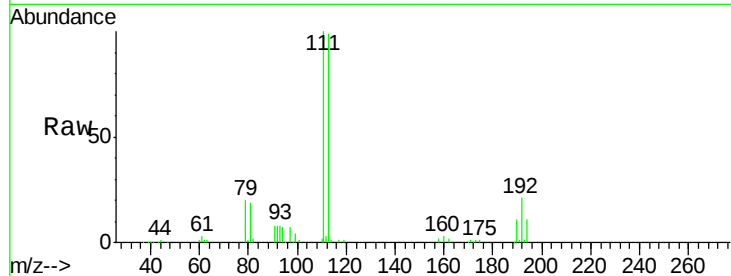
#35
 Dibromofluoromethane
 Concen: 49.19 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110274		
111	101.1	82.2	123.4	
192	21.4	16.2	24.4	

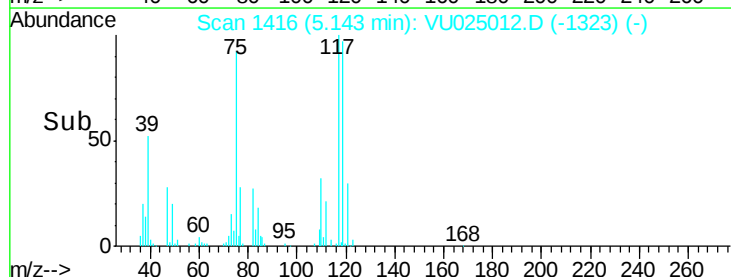
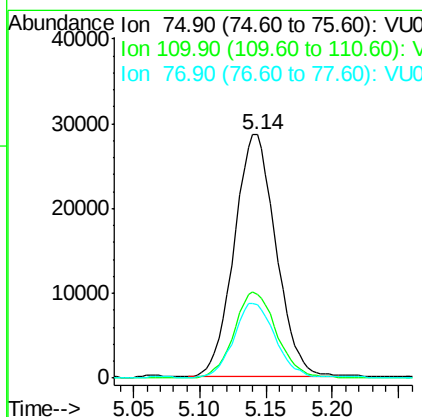
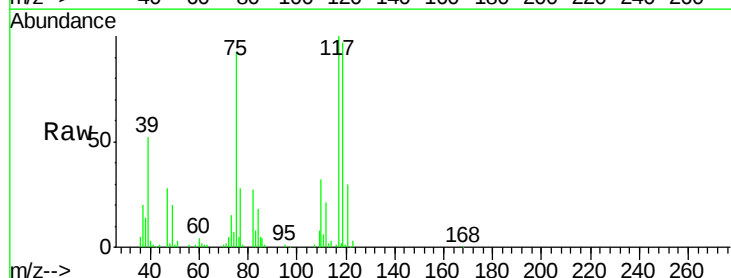
Manual Integrations
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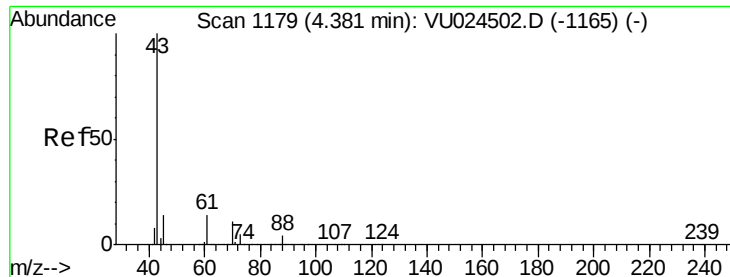
MMDadoda
 6/29/2018 4:23:26 PM



#36
 1,1-Dichloropropene
 Concen: 19.79 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62803		
110	36.0	17.0	50.9	
77	30.7	24.2	36.4	





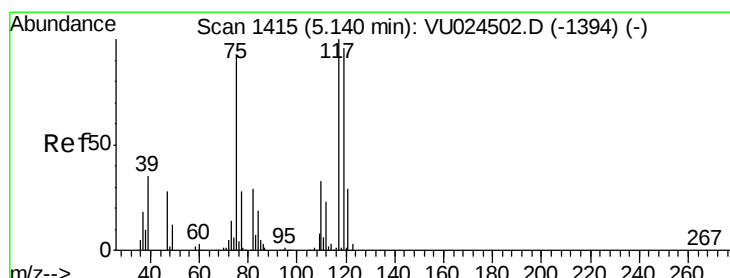
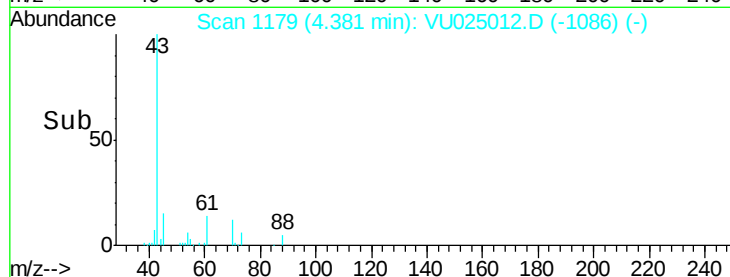
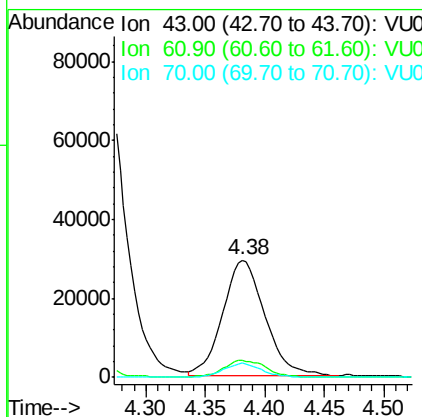
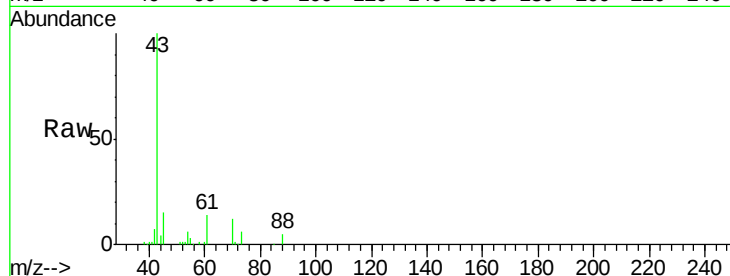
#37
Ethyl Acetate
Concen: 20.76 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.5	15.7
70	10.9	7.4	11.2

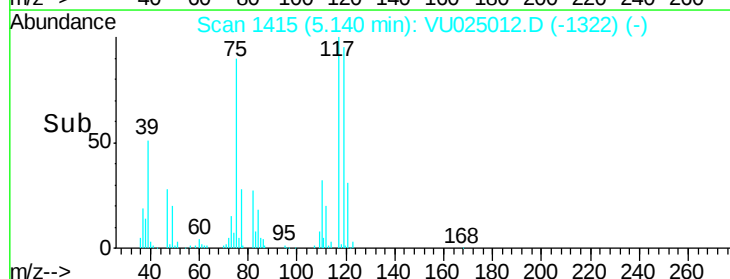
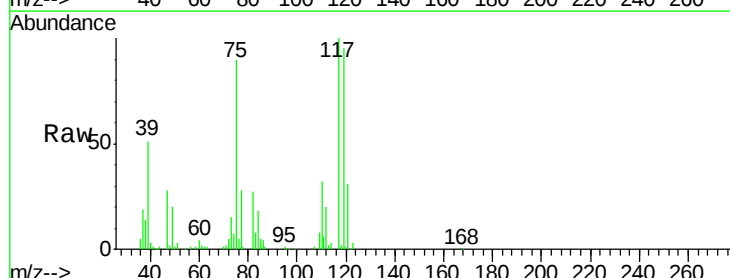
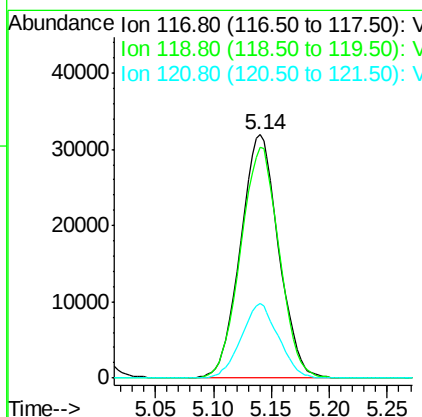
Manual Integrations
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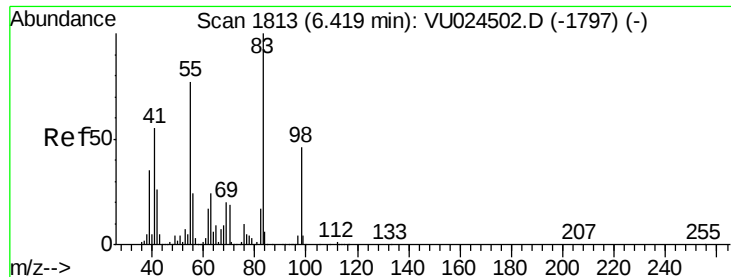
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#38
Carbon Tetrachloride
Concen: 20.96 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.1	114.1
121	30.7	23.7	35.5





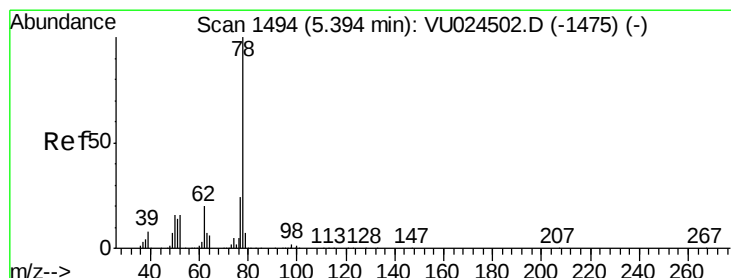
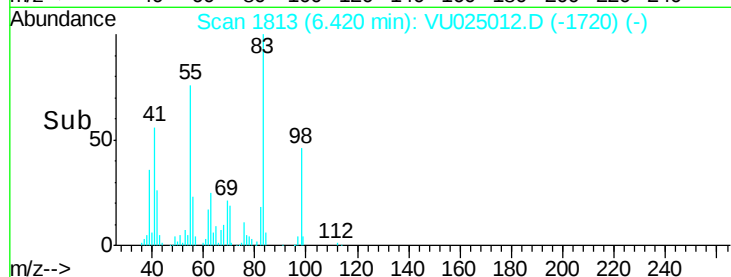
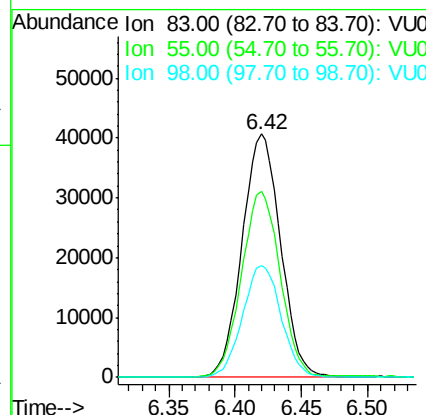
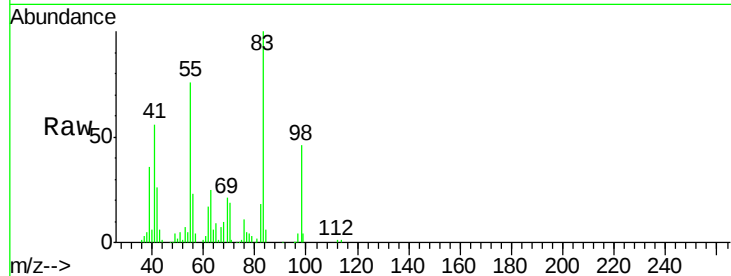
#39
Methvlcvclohexane
Concen: 20.75 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	65.8	98.6
98	45.8	36.7	55.1

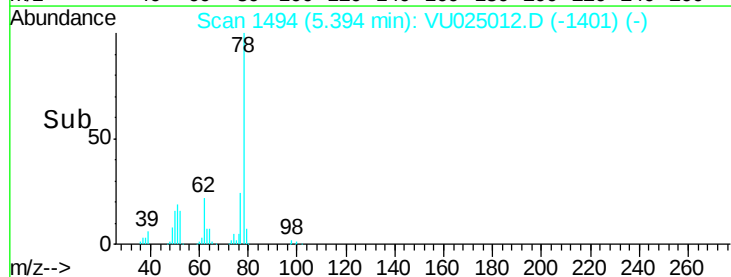
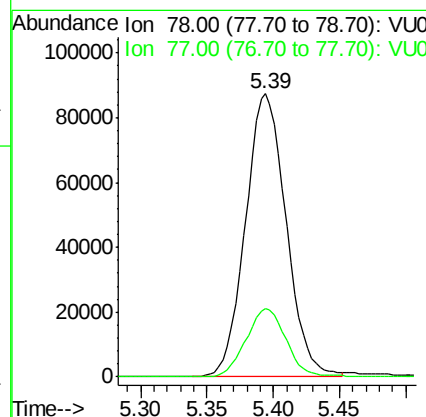
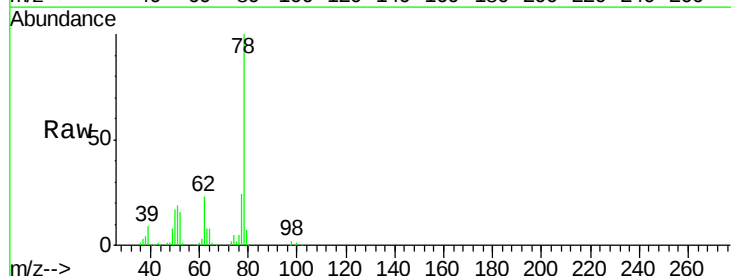
Manual Integrations
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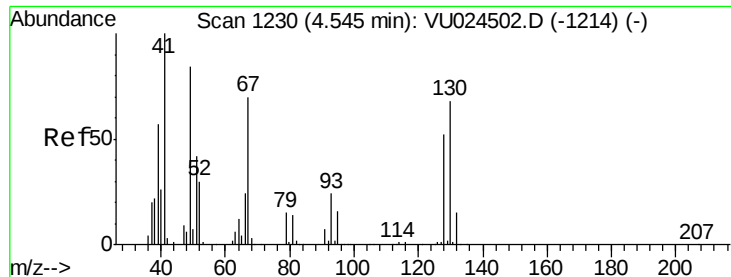
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#40
Benzene
Concen: 20.62 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





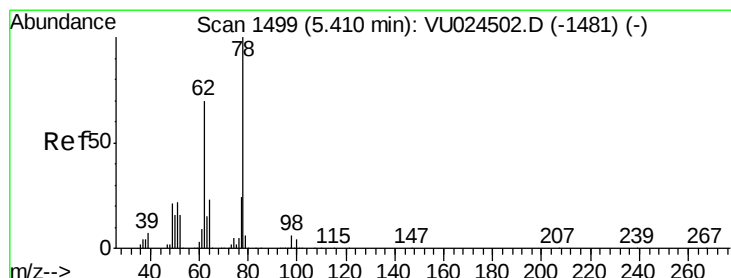
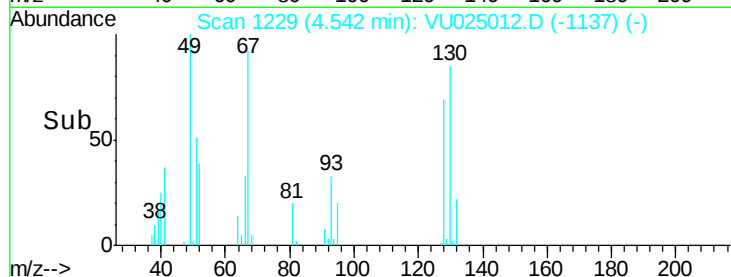
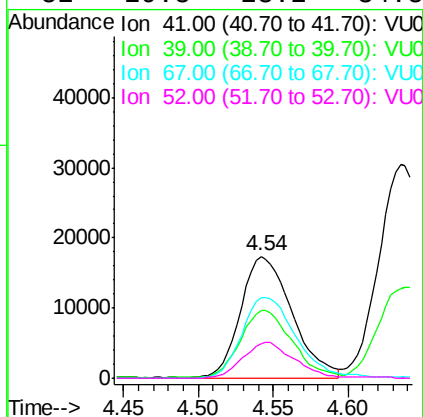
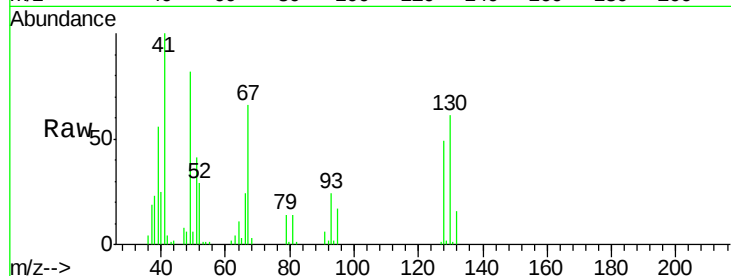
#41
Methacrylonitrile
Concen: 22.34 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	43.8	65.6	
67	70.4	56.3	84.5	
52	29.8	23.2	34.8	

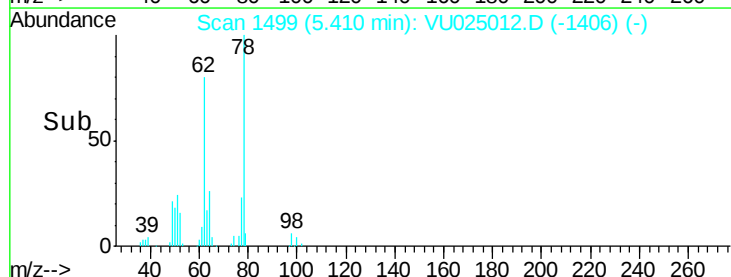
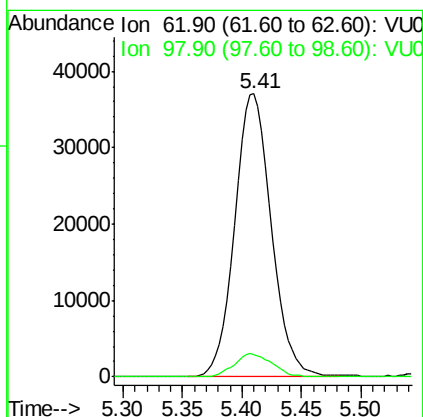
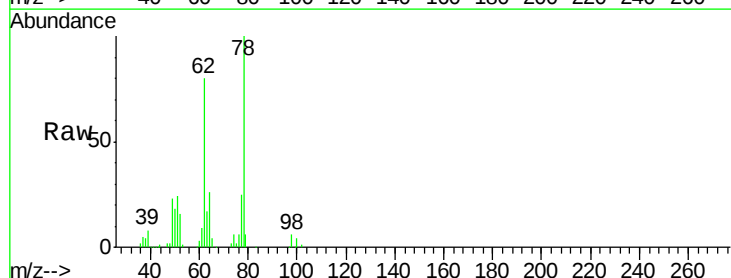
Manual Integrations
APPROVED

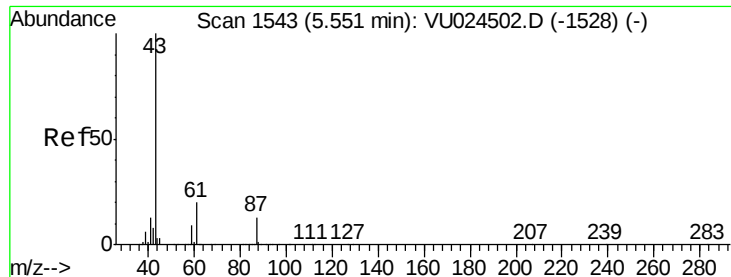
MMDadoda
6/29/2018 4:23:26 PM



#42
1,2-Dichloroethane
Concen: 22.96 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.6	





#43

Isopropyl Acetate

Concen: 20.06 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

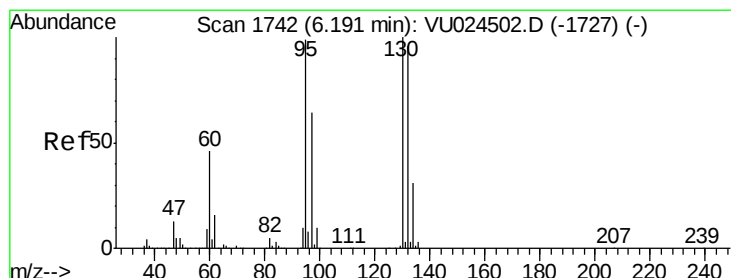
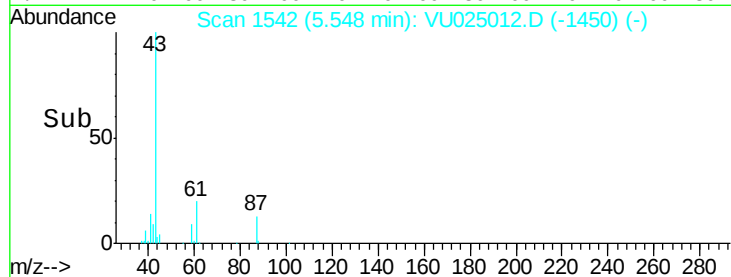
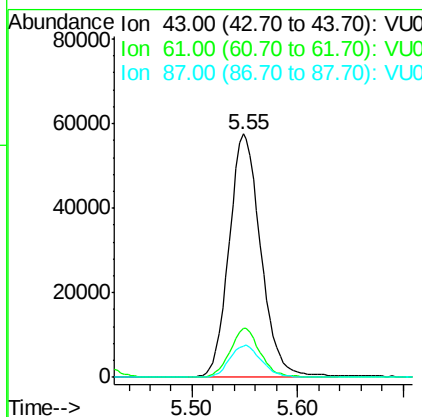
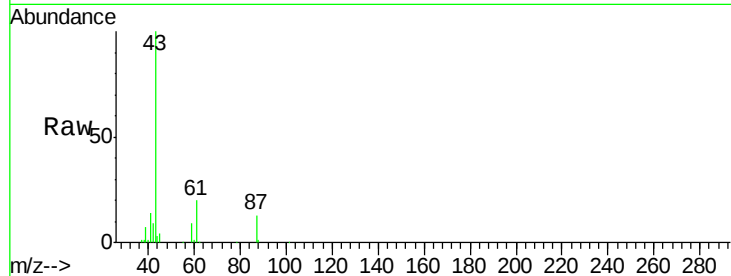
ClientSampleId :

VU0628WBS01

Tot Ion:	43	Resp:	119952
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	13.1	10.0	15.0

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#44

Trichloroethene

Concen: 20.53 ug/l

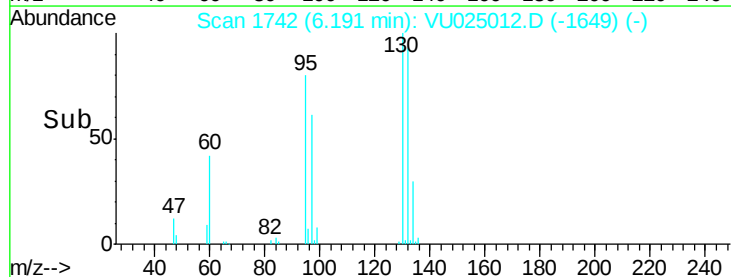
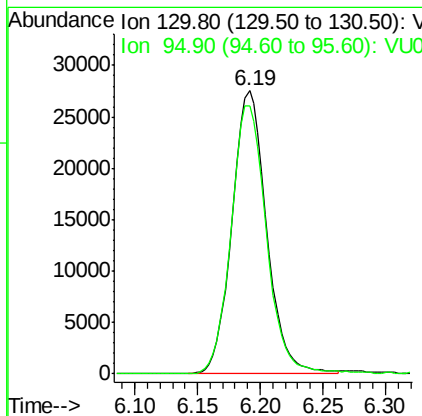
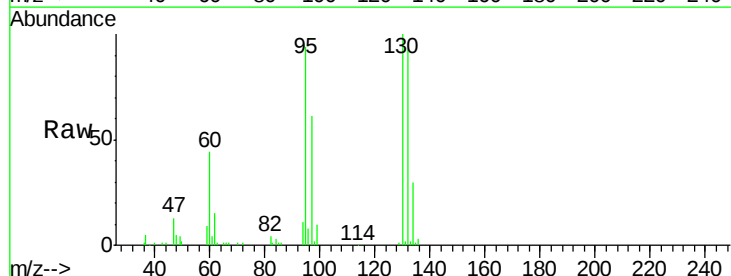
RT: 6.19 min Scan# 1742

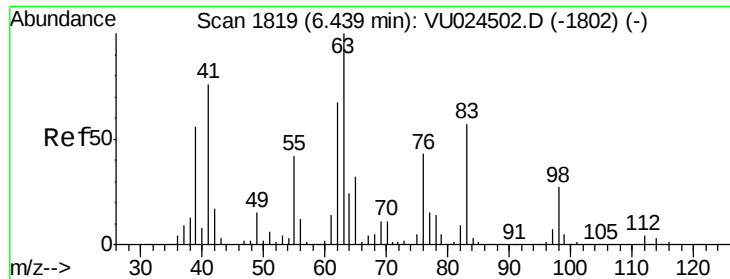
Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	130	Resp:	52852
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	202.4





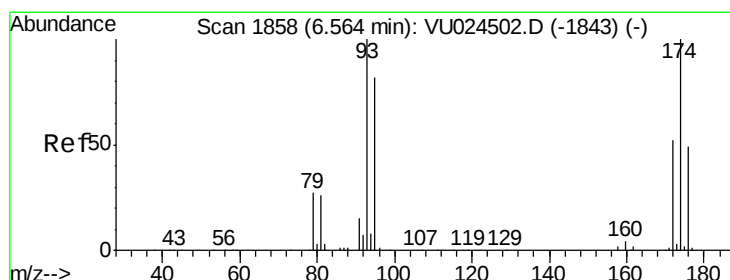
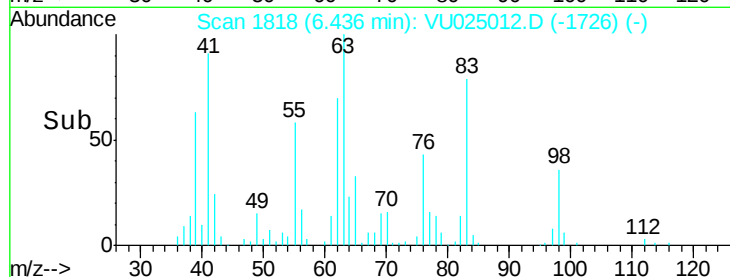
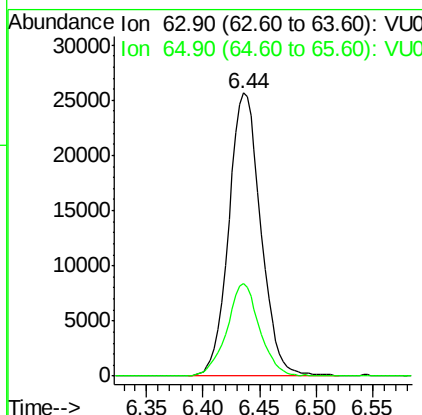
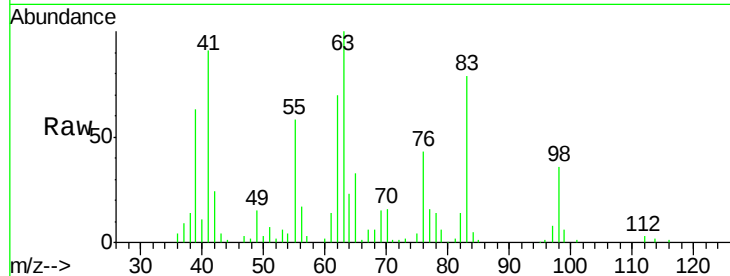
#45
 1,2-Dichloropropane
 Concen: 20.97 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion: 63 Resp: 50614
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2

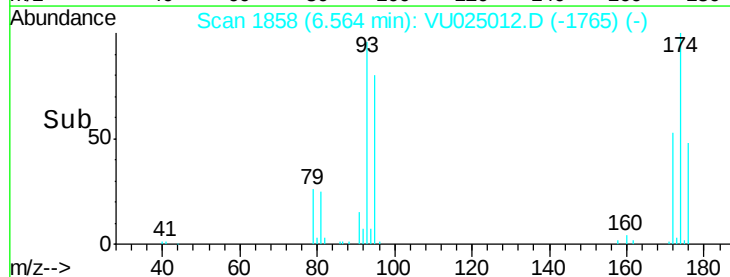
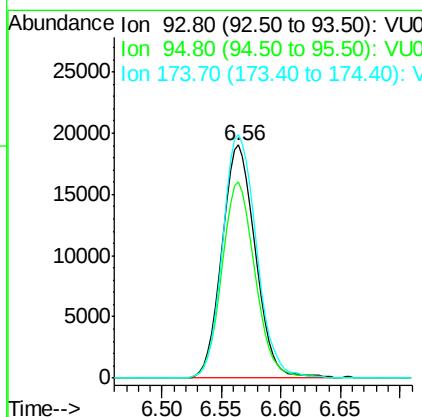
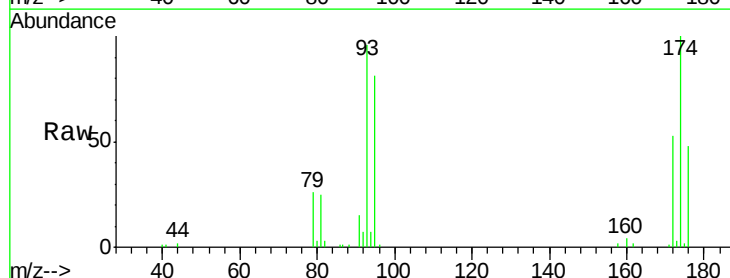
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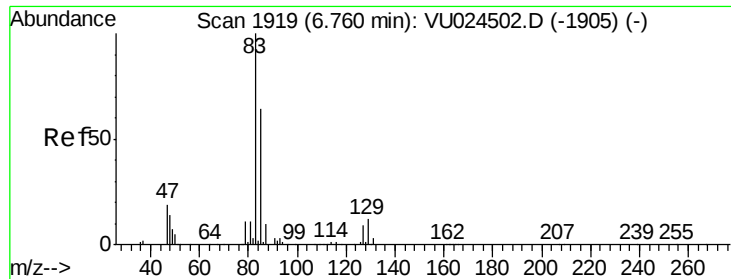
MMDadoda
 6/29/2018 4:23:26 PM



#46
 Dibromomethane
 Concen: 21.94 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 93 Resp: 37186
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 105.3 78.7 118.1





#47

Bromodichloromethane

Concen: 20.53 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

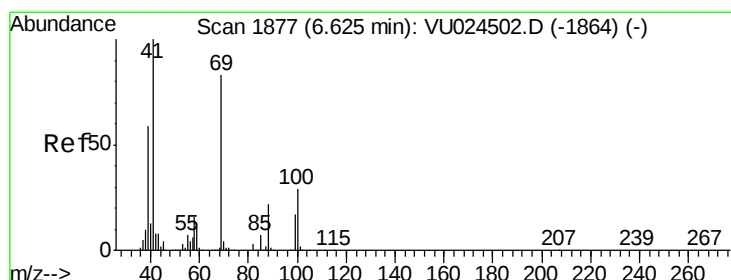
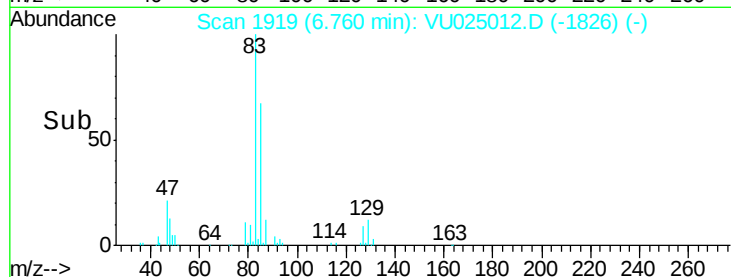
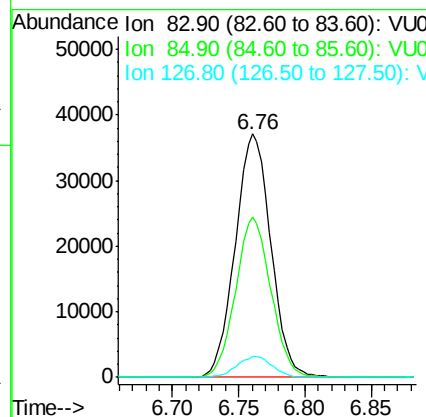
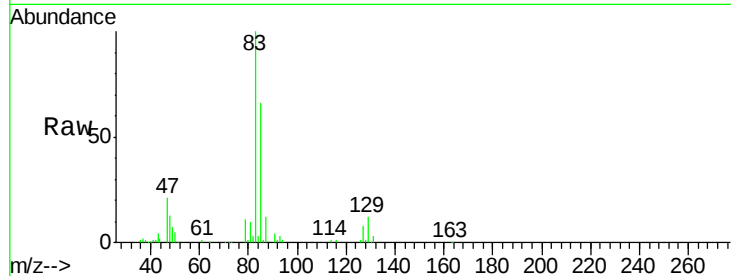
ClientSampleId :

VU0628WBS01

Tot Ion:	83	Resp:	69291
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9
127	8.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.58 ug/l

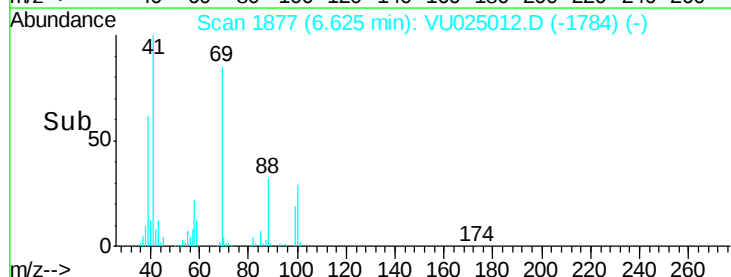
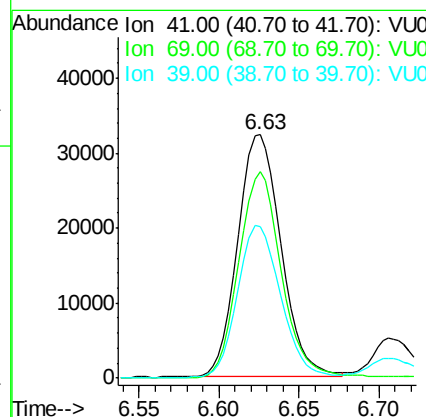
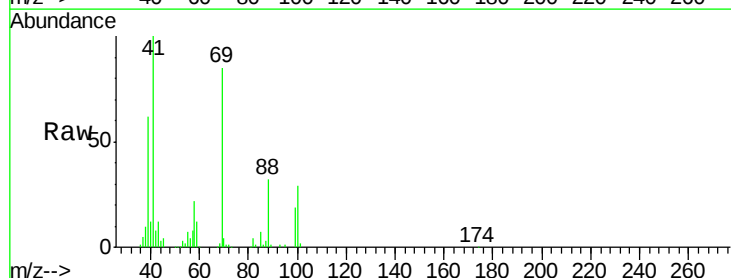
RT: 6.63 min Scan# 1877

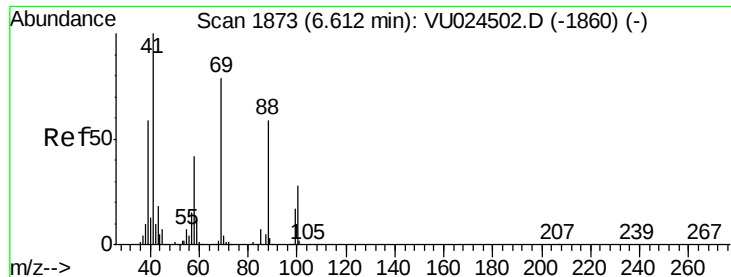
Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	41	Resp:	59939
Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.3	100.9
39	63.0	46.5	69.7





#49

1,4-Dioxane

Concen: 470.70 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

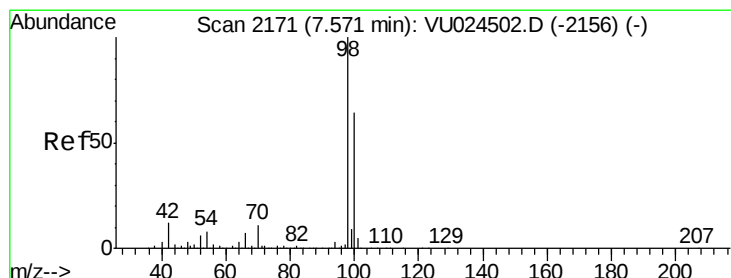
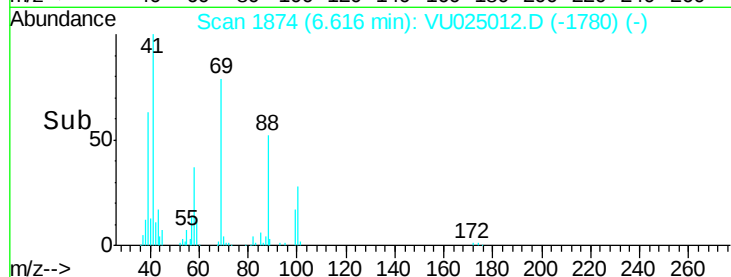
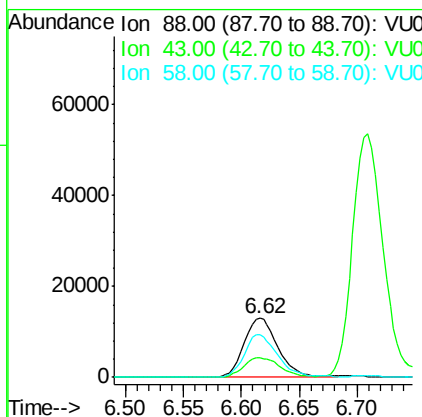
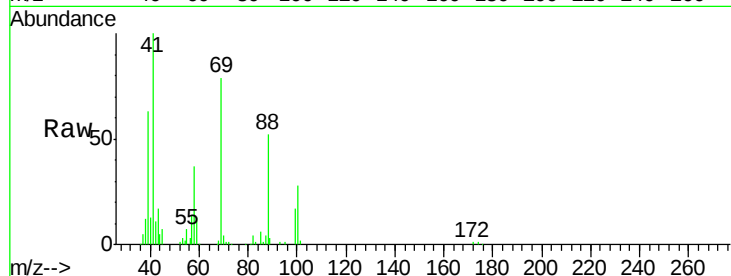
ClientSampleId :

VU0628WBS01

Tot Ion:	88	Resp:	26805
Ion Ratio	Lower	Upper	
88	100		
43	35.5	28.6	42.8
58	71.1	58.2	87.4

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#50

Toluene-d8

Concen: 45.28 ug/l

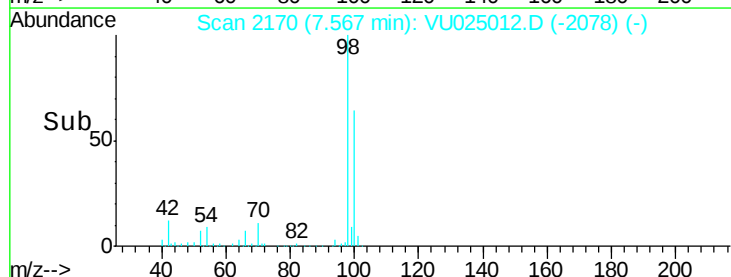
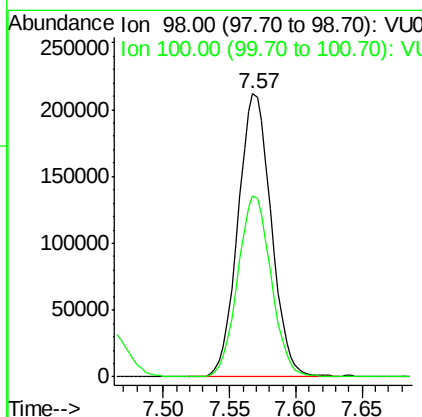
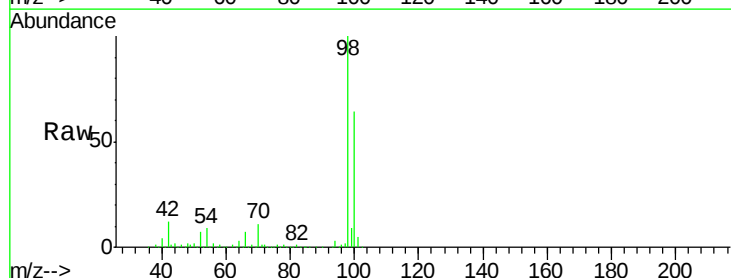
RT: 7.57 min Scan# 2170

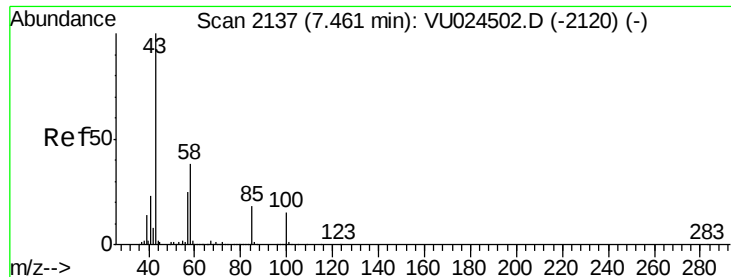
Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	98	Resp:	370296
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 100.89 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 43 Resp: 379036

Ion Ratio Lower Upper

43 100

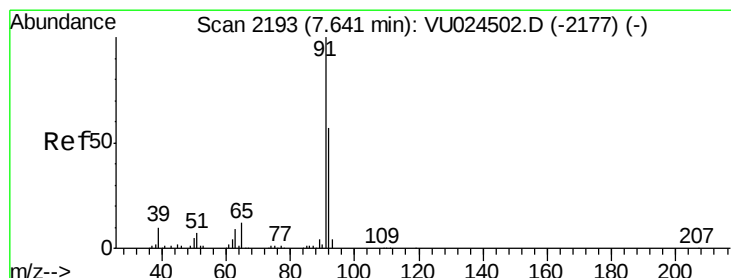
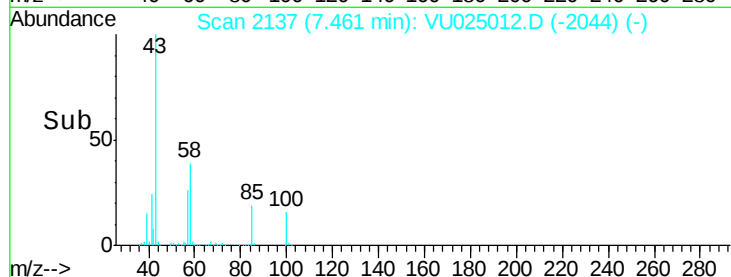
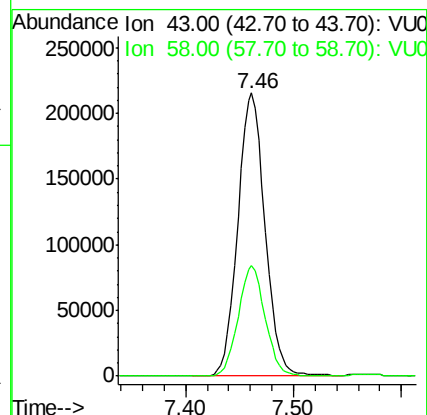
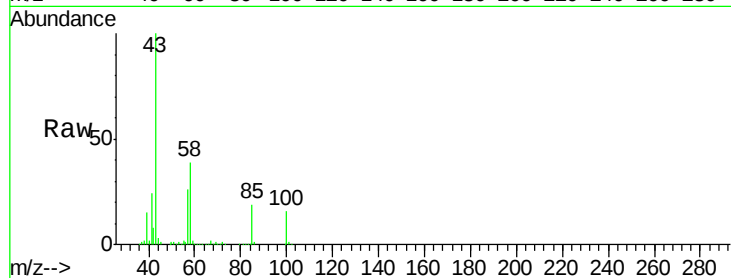
58 38.7 30.0 45.0

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#52

Toluene

Concen: 20.67 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025012.D

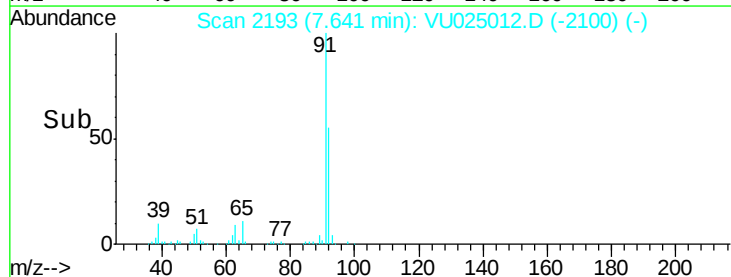
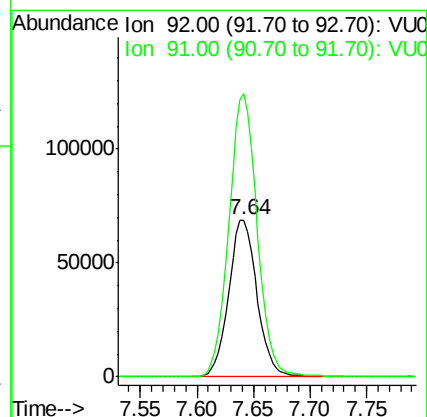
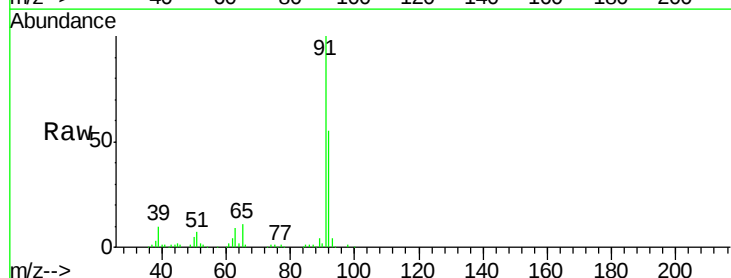
Acq: 28 Jun 2018 11:50

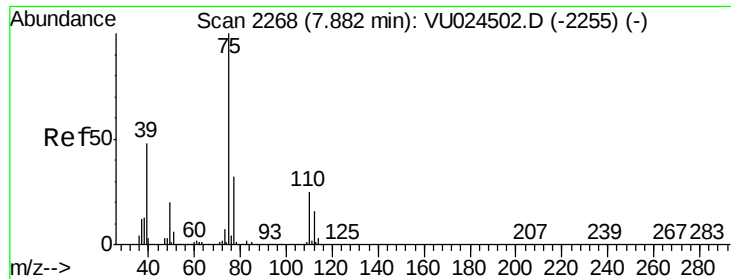
Tgt Ion: 92 Resp: 120253

Ion Ratio Lower Upper

92 100

91 180.0 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.72 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 75 Resp: 74771

Ion Ratio Lower Upper

75 100

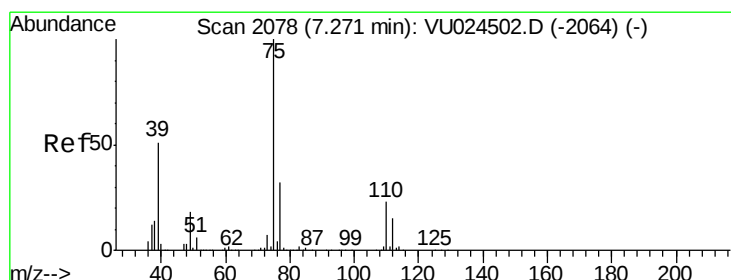
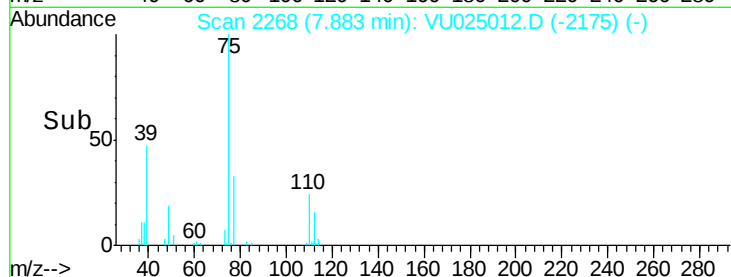
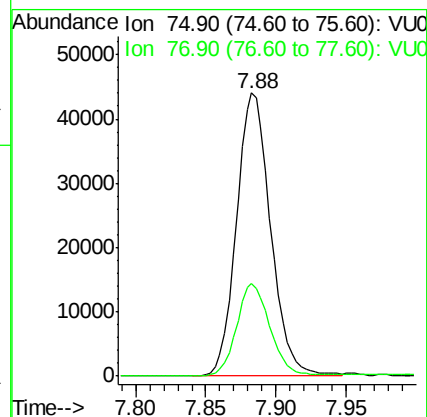
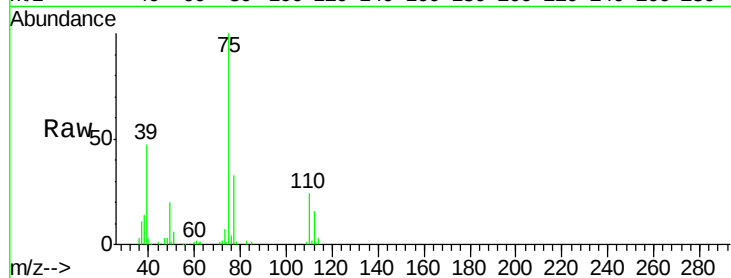
77 32.8 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

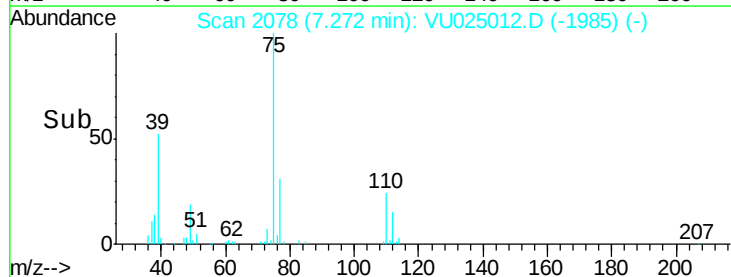
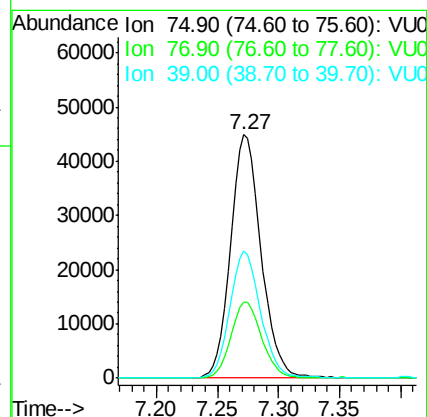
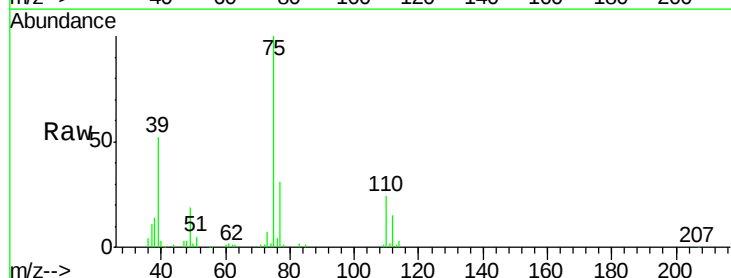
Tgt Ion: 75 Resp: 78805

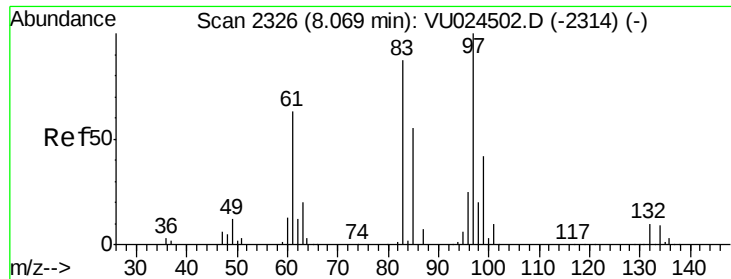
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 52.1 39.8 59.6





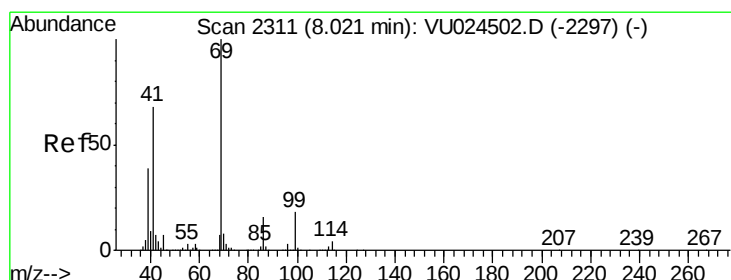
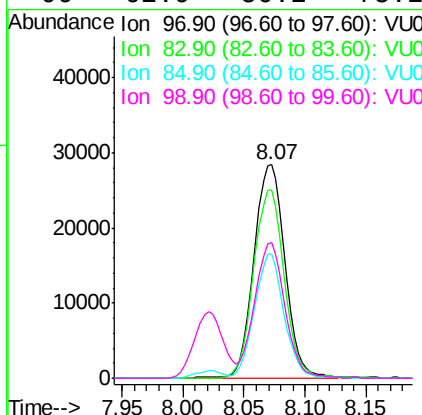
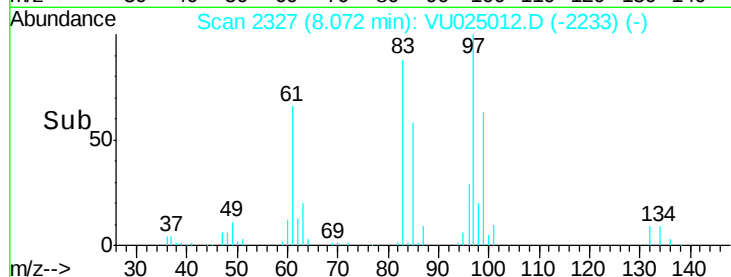
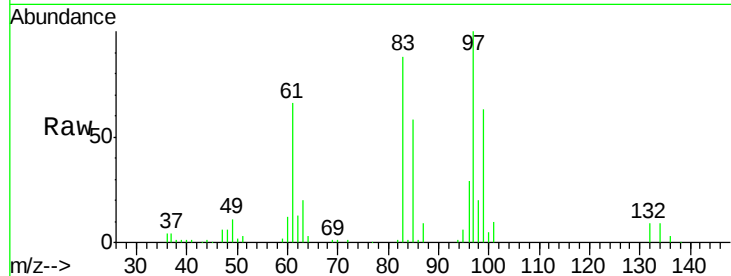
#55
 1,1,2-Trichloroethane
 Concen: 21.16 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	97	Resp:	50055
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	57.8	46.4	69.6
99	62.9	50.2	75.2

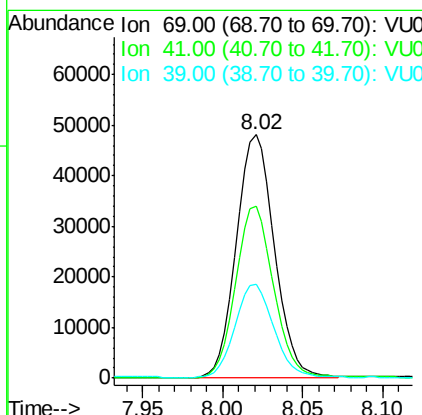
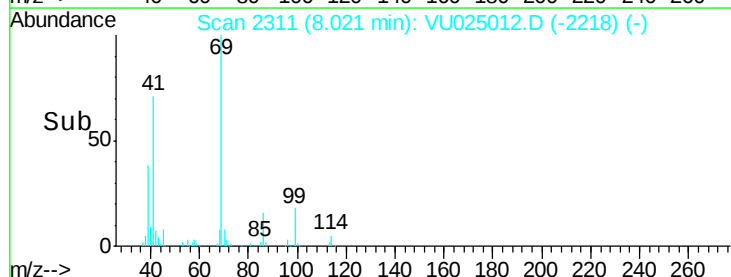
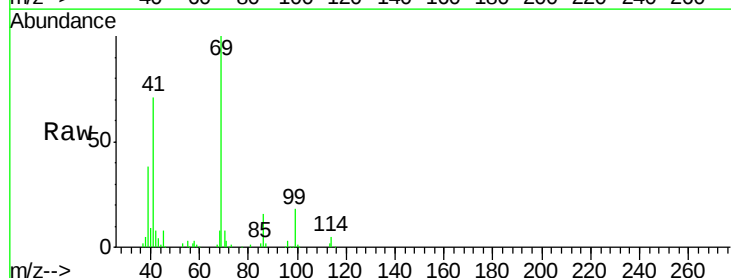
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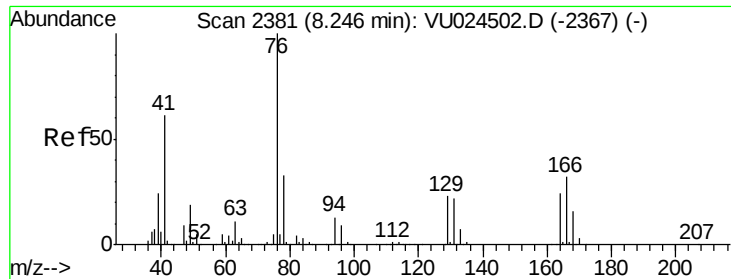
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#56
 Ethyl methacrylate
 Concen: 19.76 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	69	Resp:	78227
Ion	Ratio	Lower	Upper
69	100		
41	70.4	54.1	81.1
39	39.7	30.3	45.5





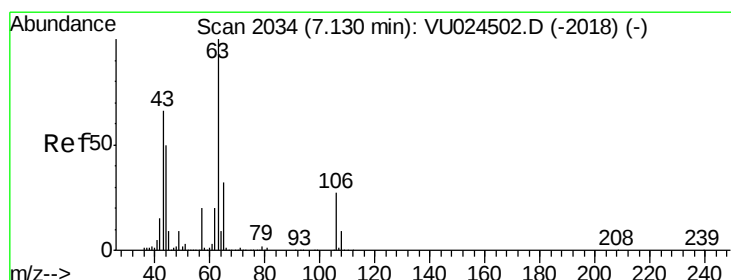
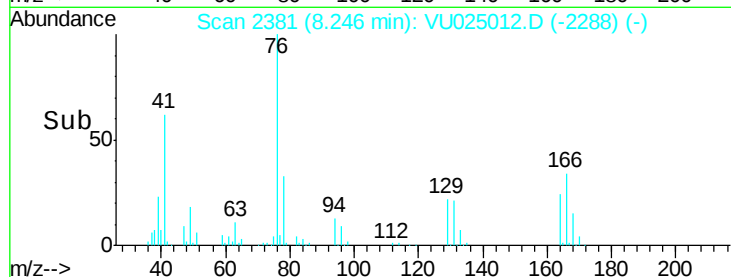
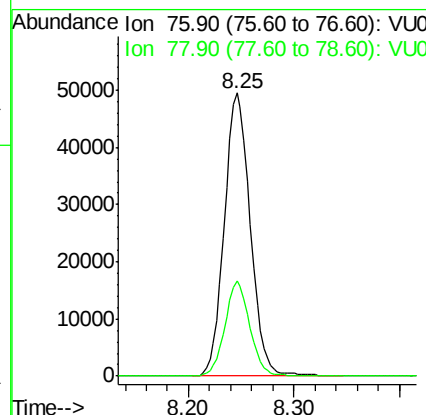
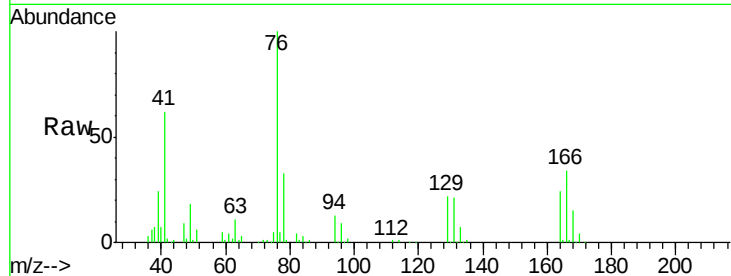
#57
 1,3-Dichloropropane
 Concen: 21.10 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion: 76 Resp: 84183
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

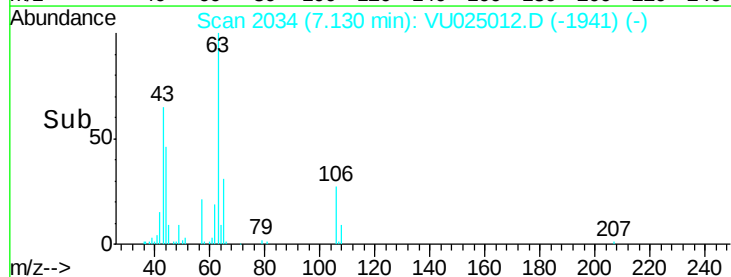
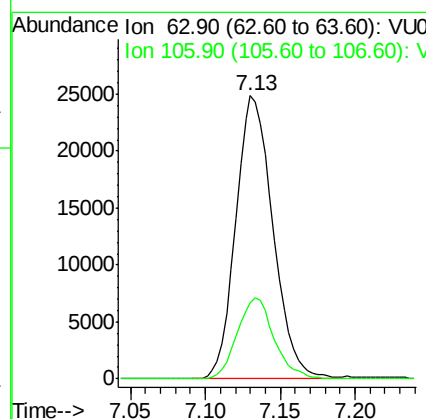
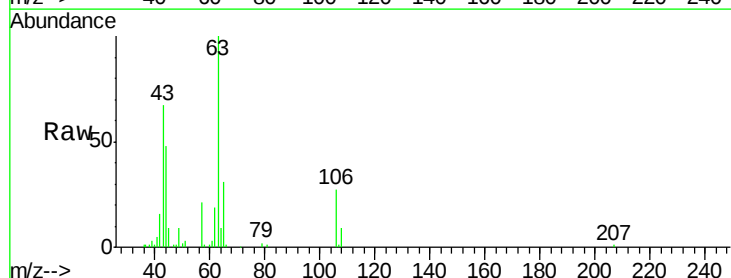
Manual Integrations
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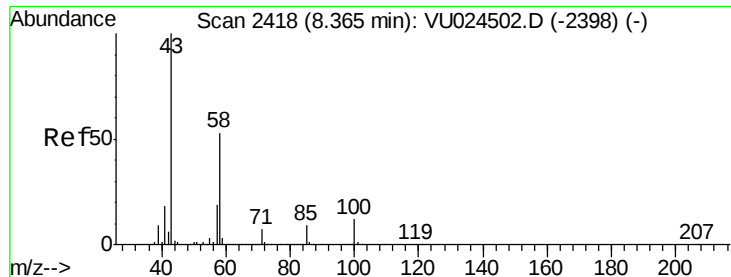
MMDadoda
 6/29/2018 4:23:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.43 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 63 Resp: 43114
 Ion Ratio Lower Upper
 63 100
 106 28.1 20.2 30.2





#59

2-Hexanone

Concen: 100.23 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 43 Resp: 307425

Ion Ratio Lower Upper

43 100

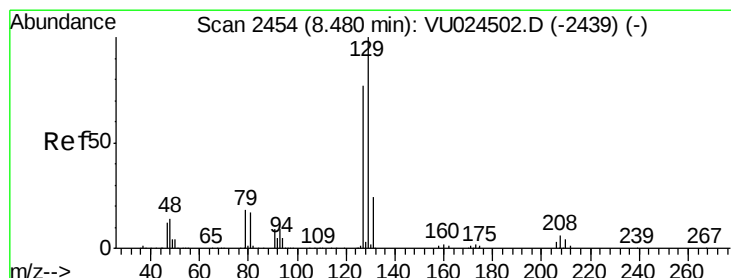
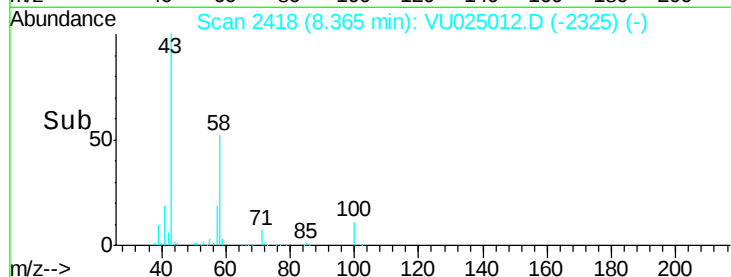
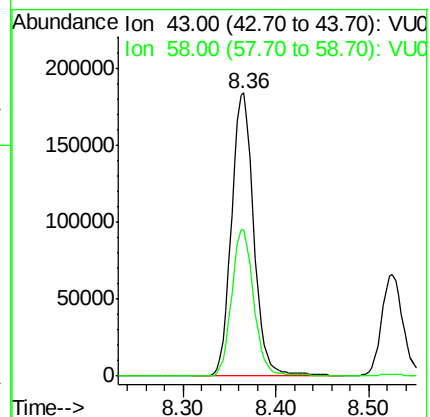
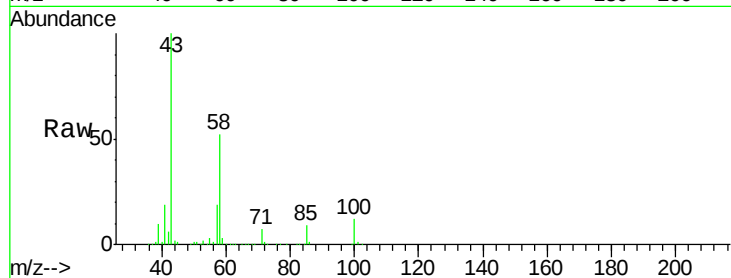
58 51.5 26.4 79.0

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#60

Dibromochloromethane

Concen: 19.04 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025012.D

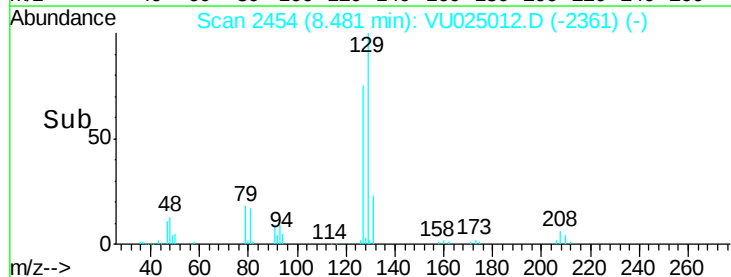
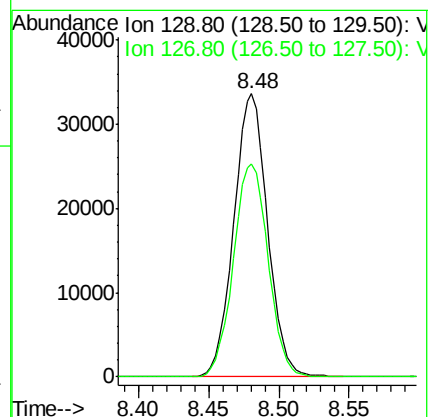
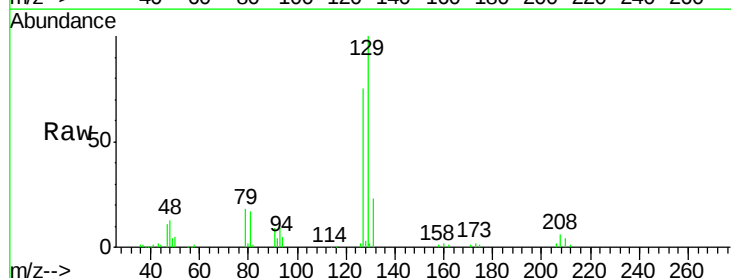
Acq: 28 Jun 2018 11:50

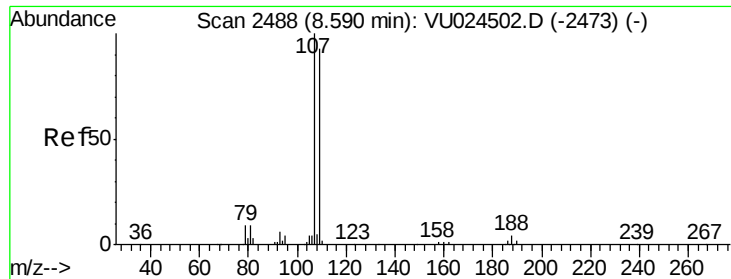
Tgt Ion: 129 Resp: 56153

Ion Ratio Lower Upper

129 100

127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.79 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion:107 Resp: 54725

Ion Ratio Lower Upper

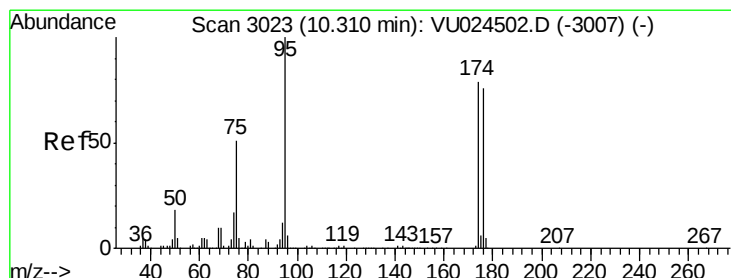
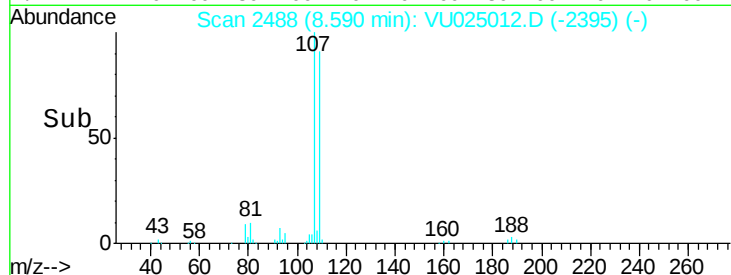
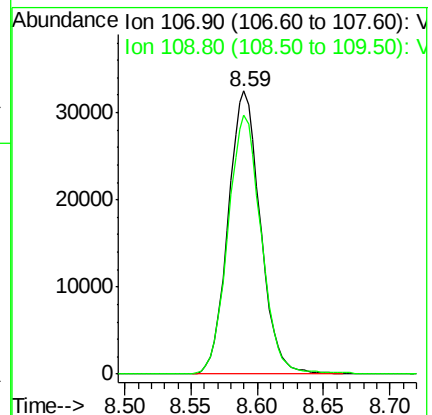
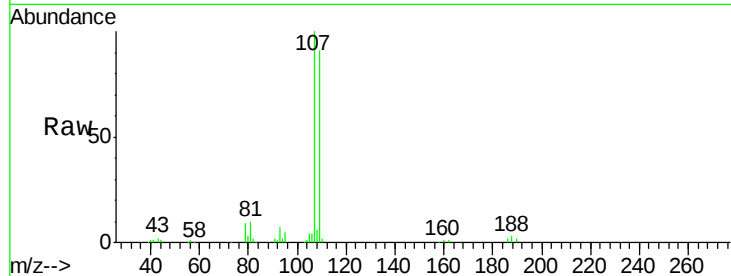
107 100

109 94.6 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 46.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

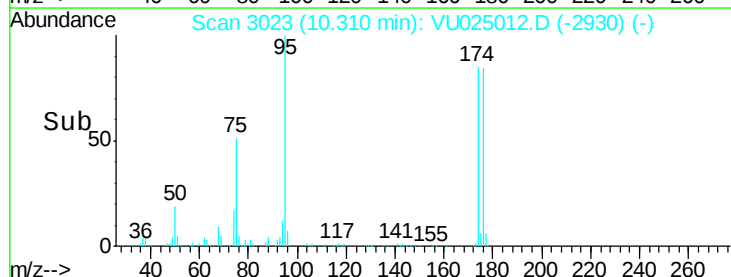
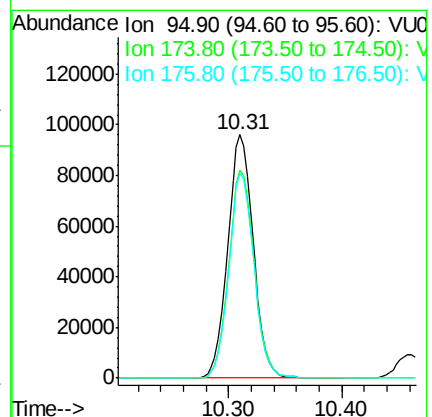
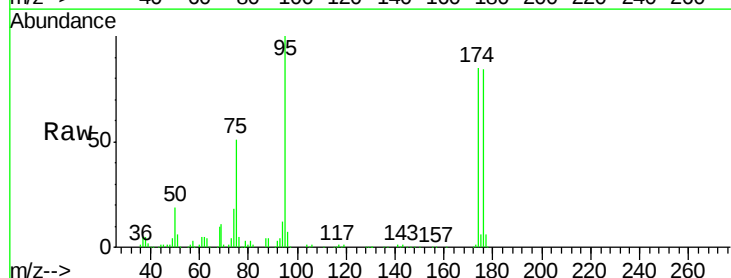
Tgt Ion: 95 Resp: 150598

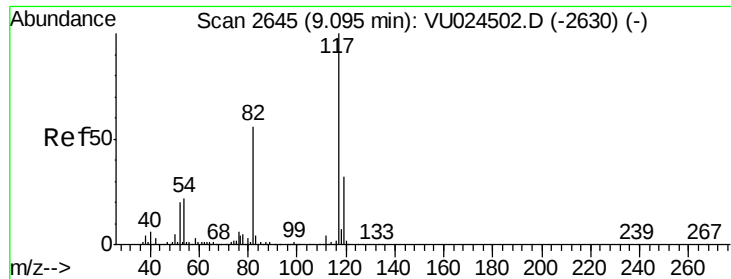
Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

176 83.3 0.0 159.4





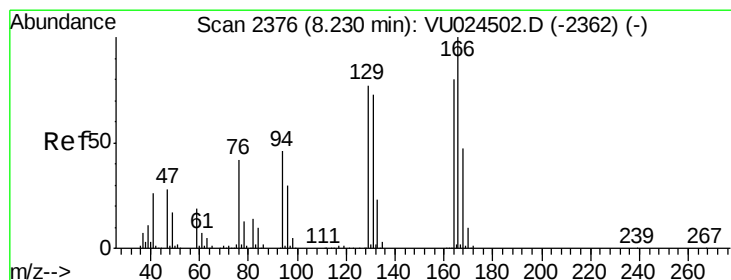
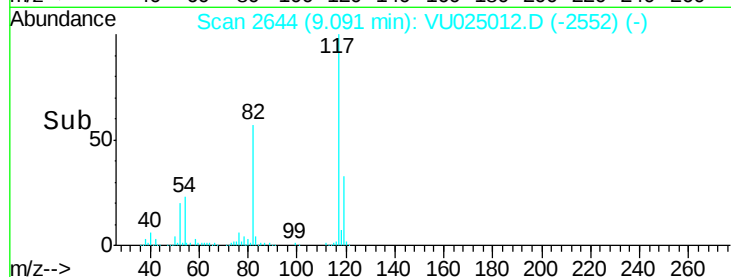
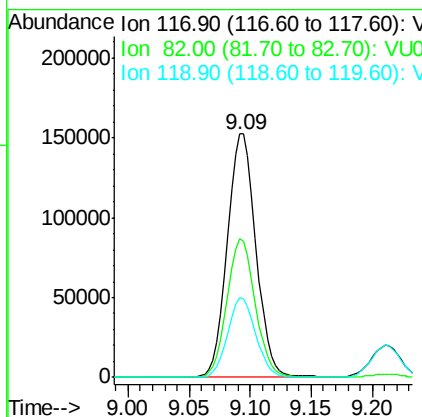
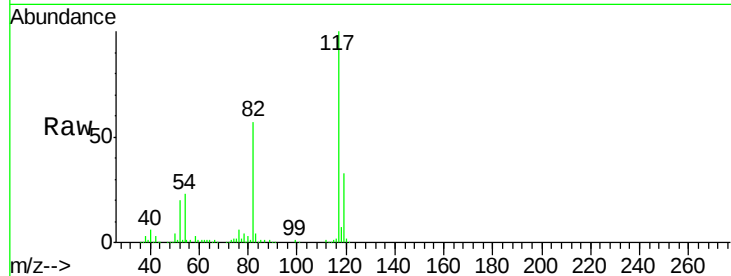
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251628		
82	56.9	44.3	66.5	
119	32.8	25.4	38.2	

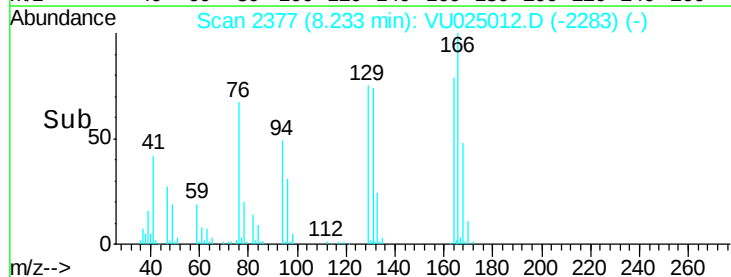
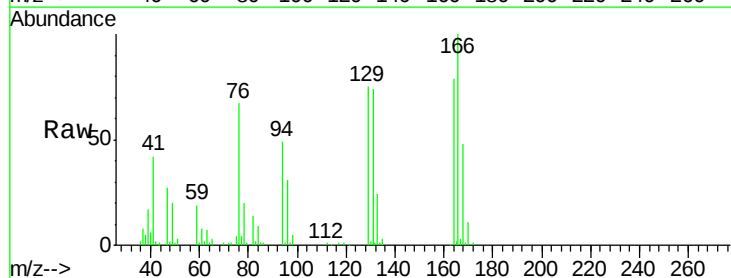
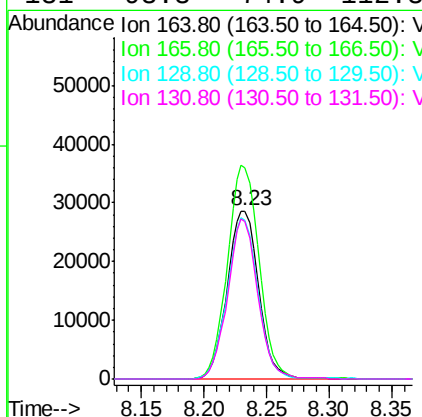
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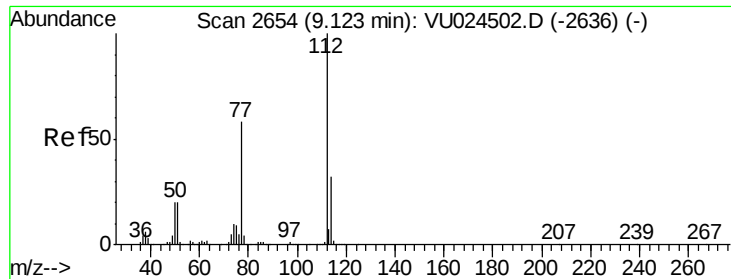
MMDadoda
6/29/2018 4:23:26 PM



#64
Tetrachloroethene
Concen: 20.79 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49724		
166	125.9	101.7	152.5	
129	94.5	76.9	115.3	
131	93.3	74.9	112.3	





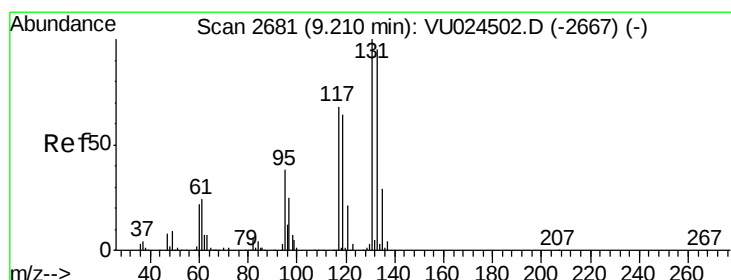
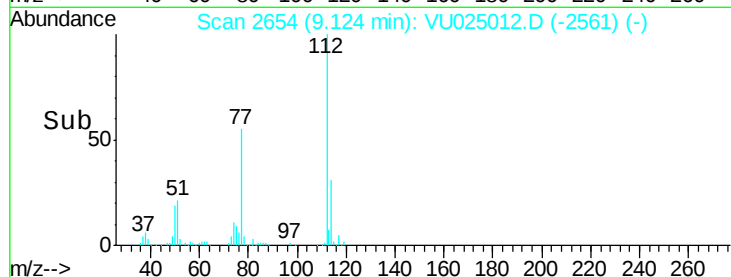
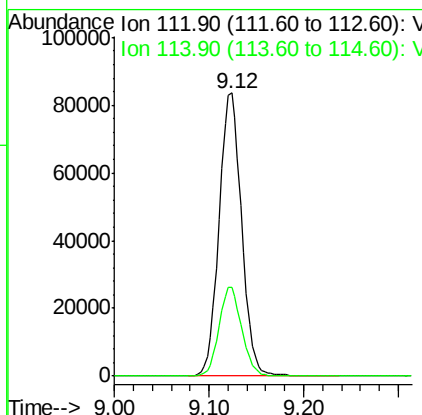
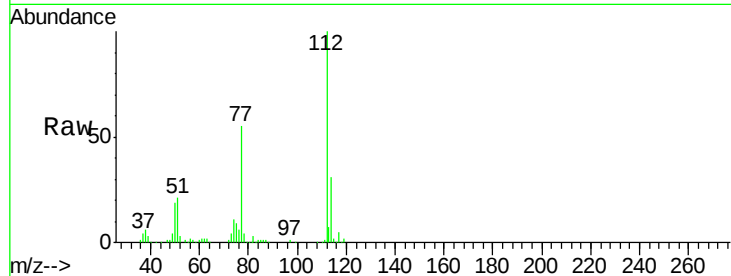
#65
Chlorobenzene
Concen: 21.56 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.6	38.4

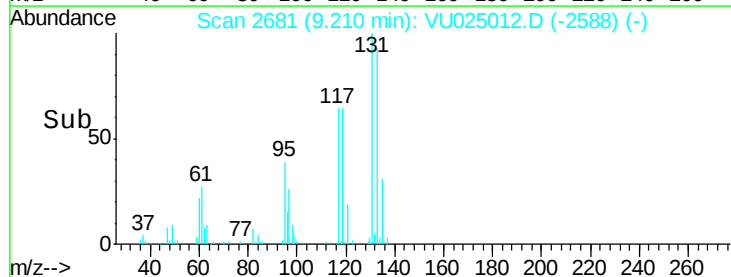
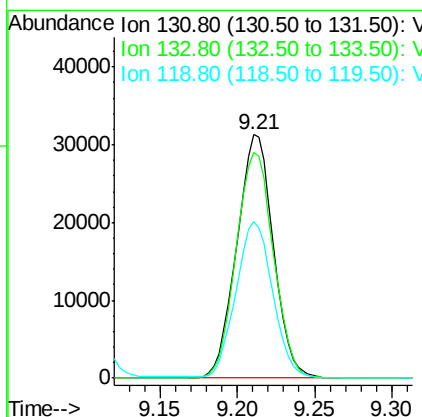
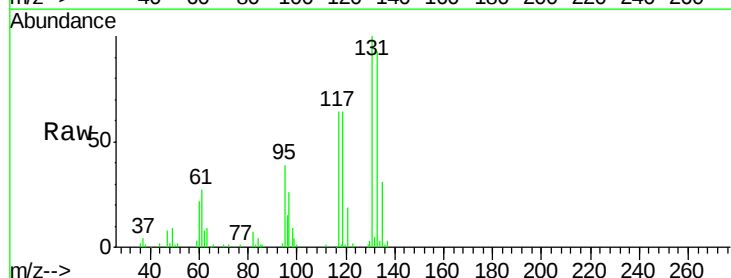
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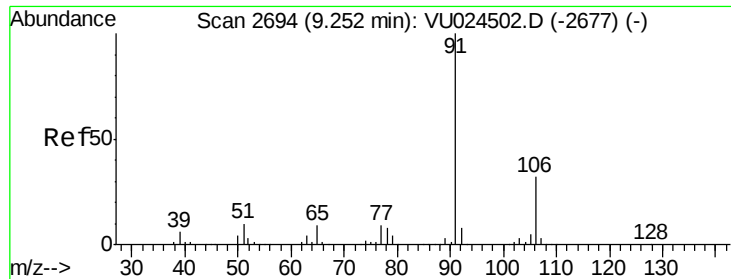
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.08 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	46.9	140.8
119	64.8	33.5	100.4





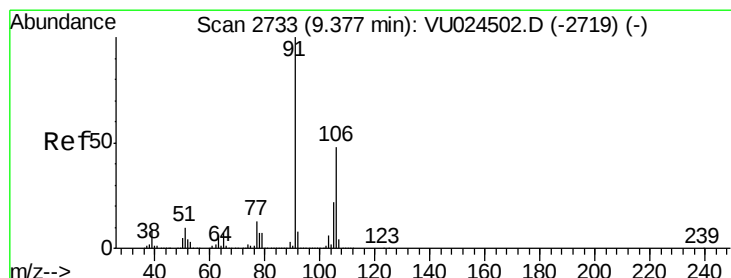
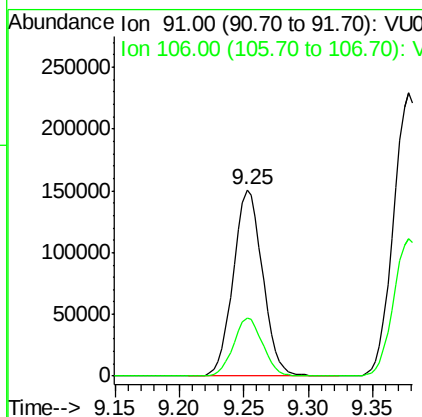
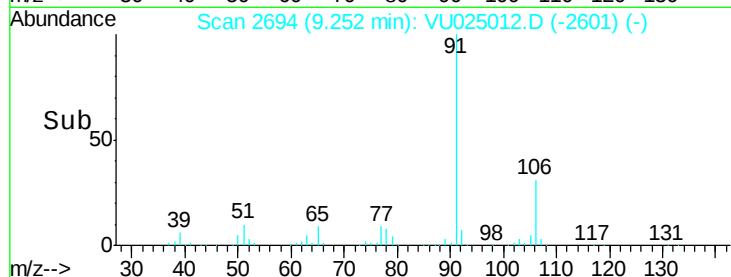
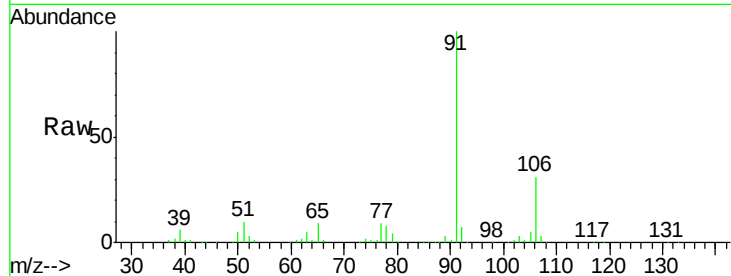
#67
Ethyl Benzene
Concen: 21.25 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion: 91 Resp: 239459
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4

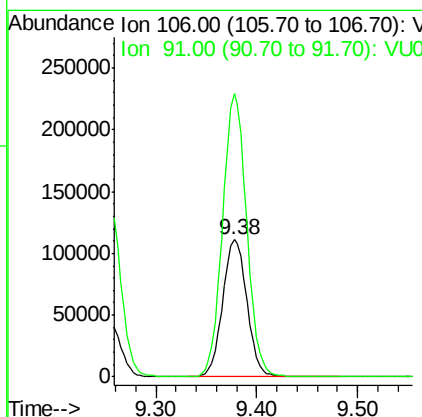
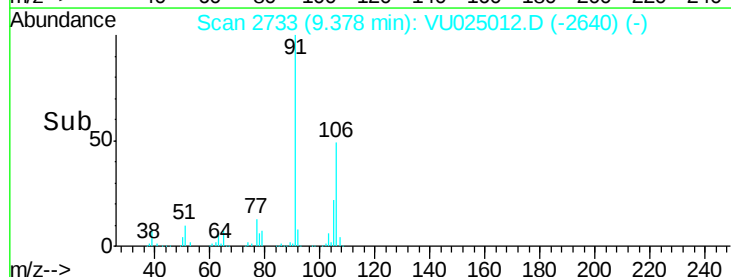
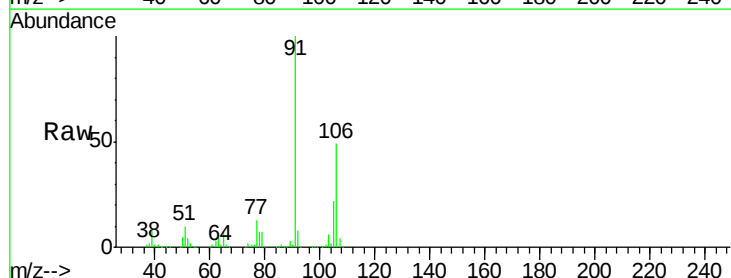
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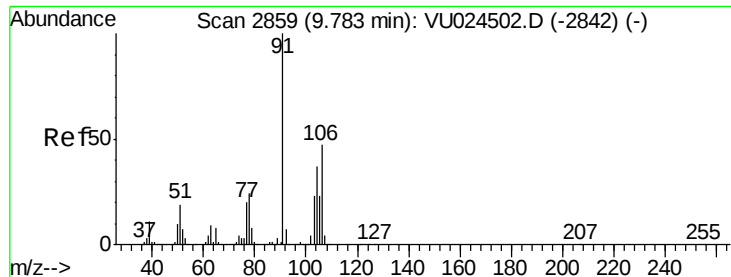
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#68
m/p-Xylenes
Concen: 43.33 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 106 Resp: 187507
Ion Ratio Lower Upper
106 100
91 203.1 166.5 249.7





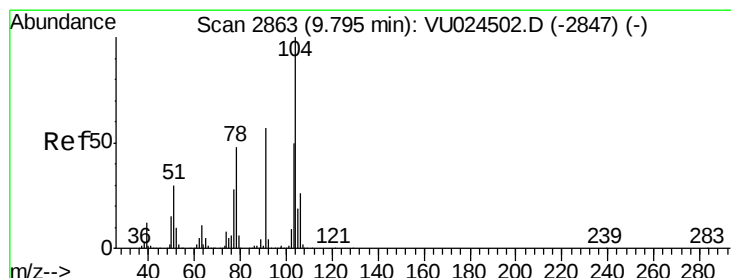
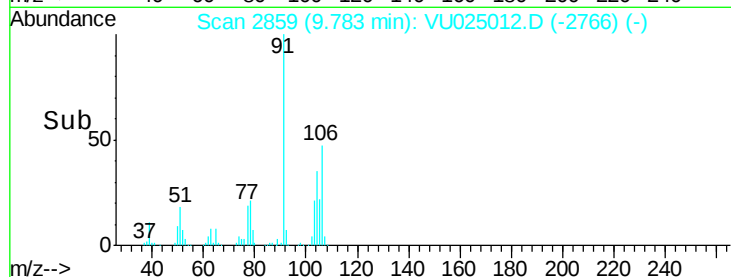
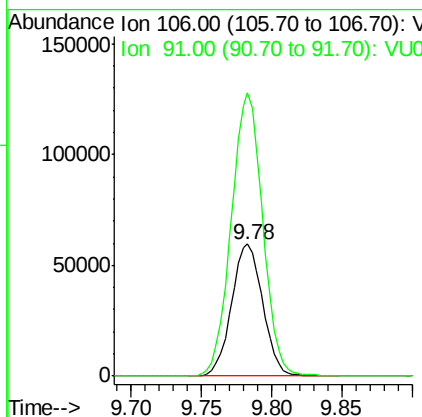
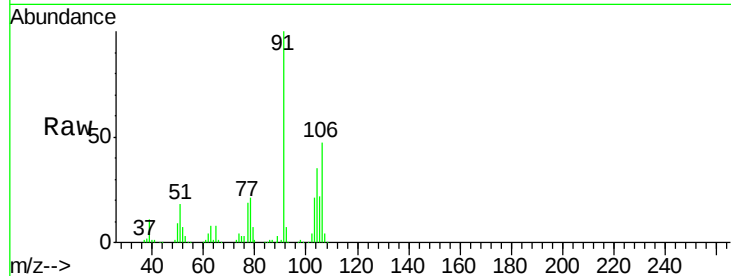
#69
o-Xylene
Concen: 21.52 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ion	Ratio	Lower	Upper
92155	106	100		
	91	216.7	110.7	331.9

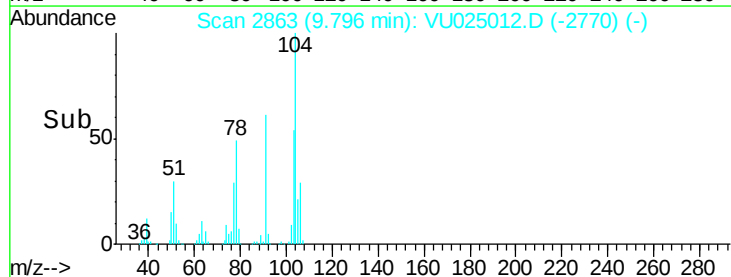
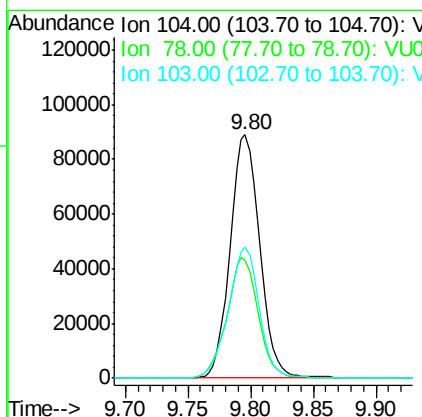
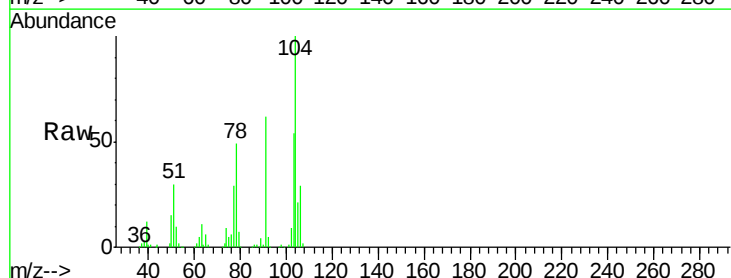
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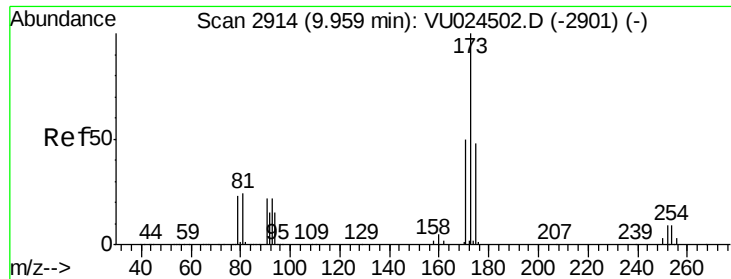
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#70
Styrene
Concen: 20.76 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
146108	104	100		
	78	52.4	40.6	60.8
	103	56.0	44.7	67.1





#71

Bromoform

Concen: 18.60 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion:173 Resp: 43168

Ion Ratio Lower Upper

173 100

175 48.4 24.6 74.0

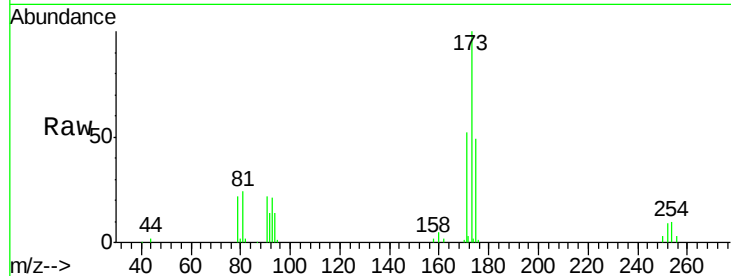
254 0.0 0.0 0.0

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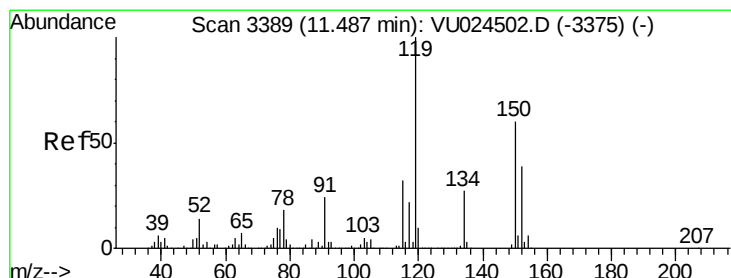
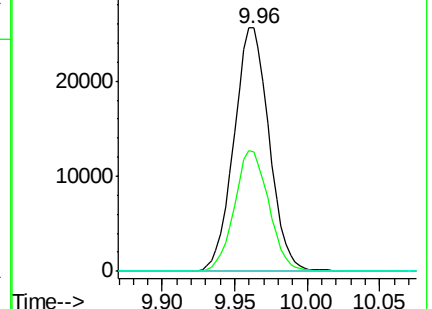
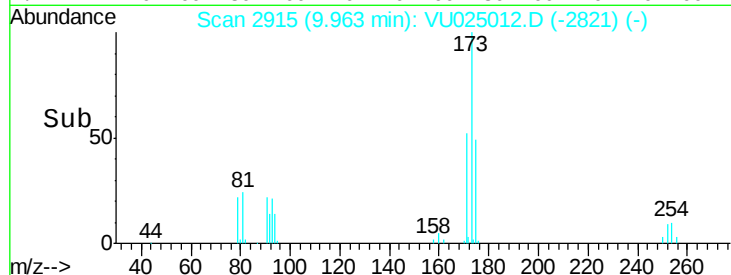
6/29/2018 4:23:26 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

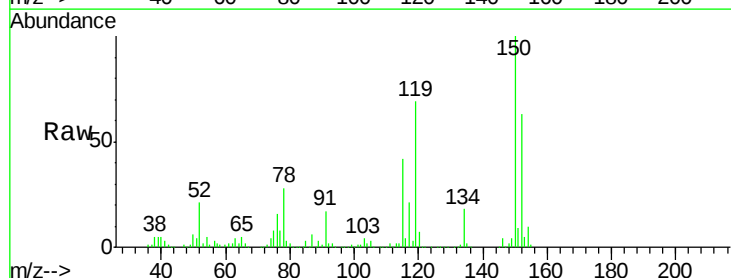
Tgt Ion:152 Resp: 148969

Ion Ratio Lower Upper

152 100

115 68.1 43.0 129.0

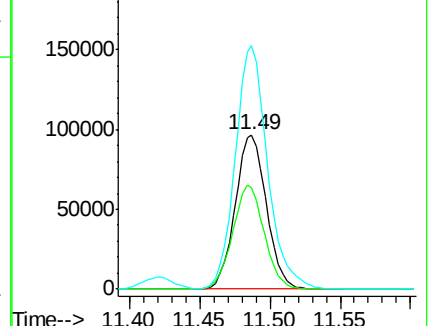
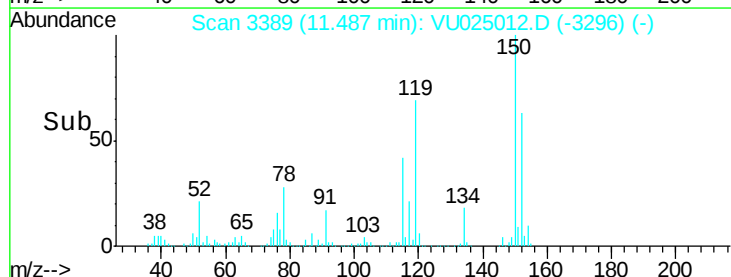
150 163.1 0.0 354.0

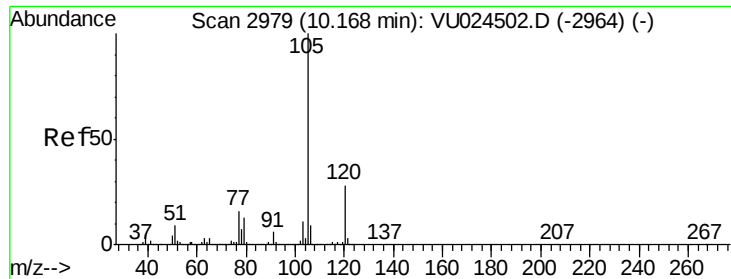


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.61 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 105 Resp: 247141

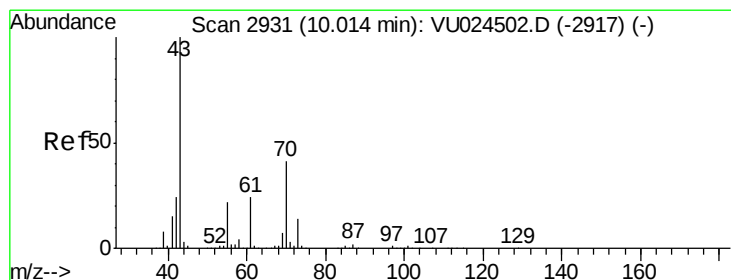
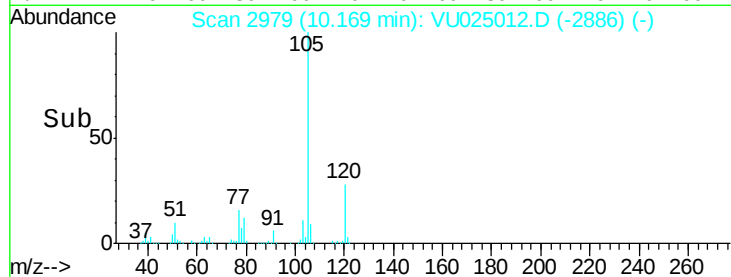
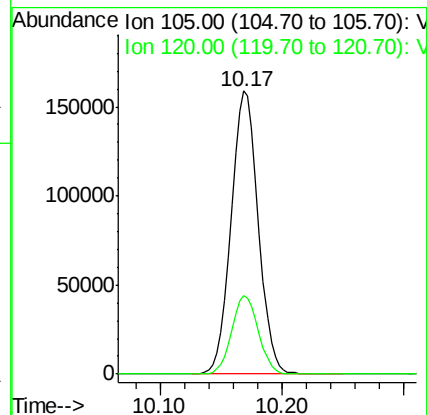
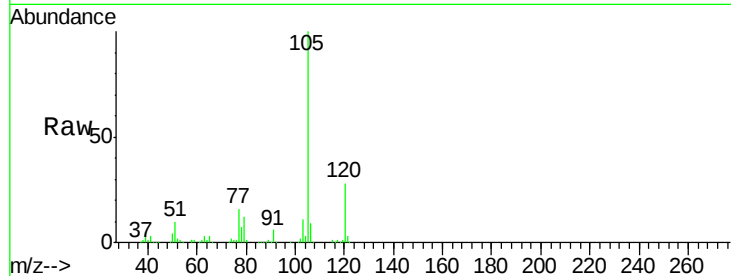
Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 18.70 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion: 43 Resp: 101741

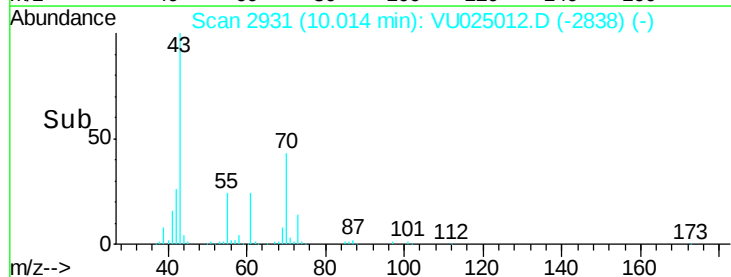
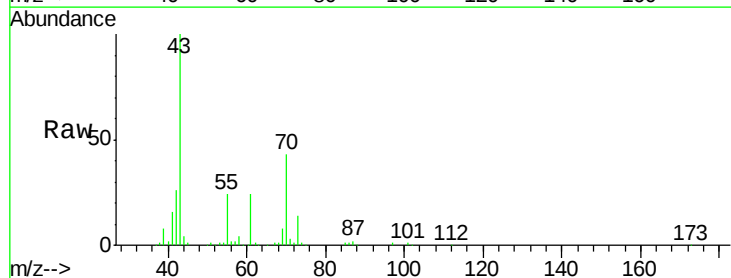
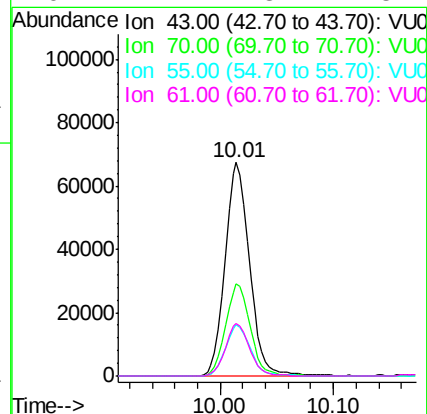
Ion Ratio Lower Upper

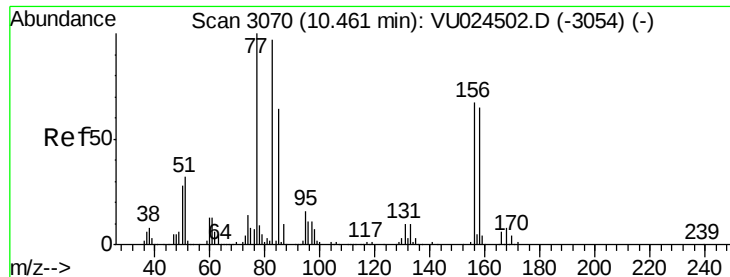
43 100

70 43.3 32.2 48.4

55 24.1 20.5 30.7

61 24.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.22 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 83 Resp: 81315

Ion Ratio Lower Upper

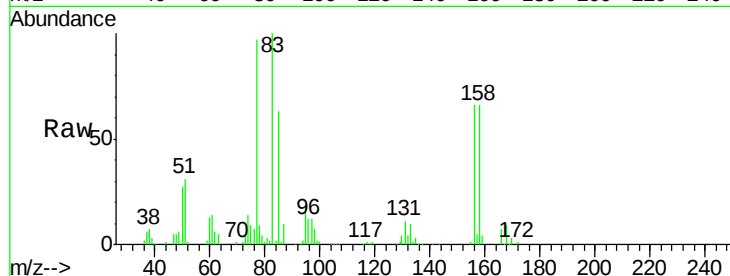
83 100

131 10.2 4.7 14.1

85 64.1 32.5 97.5

Manual Integrations
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6/29/2018 4:23:26 PM

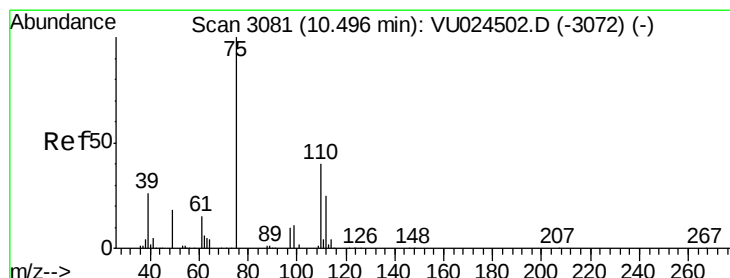
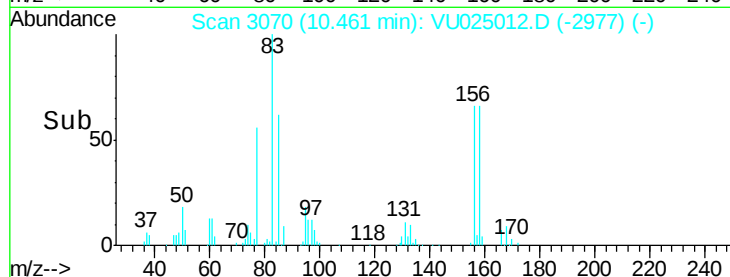


Abundance Ion 82.90 (82.60 to 83.60): VU025012.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025012.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025012.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.80 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025012.D

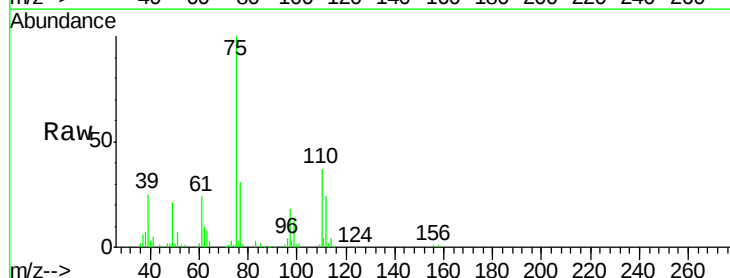
Acq: 28 Jun 2018 11:50

Tgt Ion: 75 Resp: 71509

Ion Ratio Lower Upper

75 100

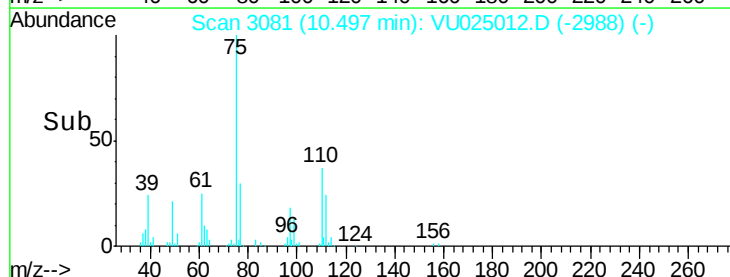
77 39.7 20.9 62.7

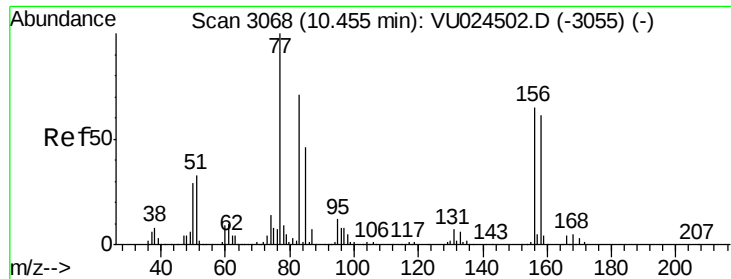


Abundance Ion 74.90 (74.60 to 75.60): VU025012.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025012.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 21.58 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion:156 Resp: 62498

Ion Ratio Lower Upper

156 100

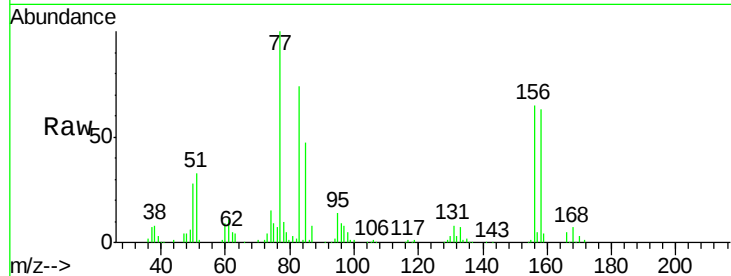
77 153.2 80.5 241.3

158 99.8 48.2 144.6

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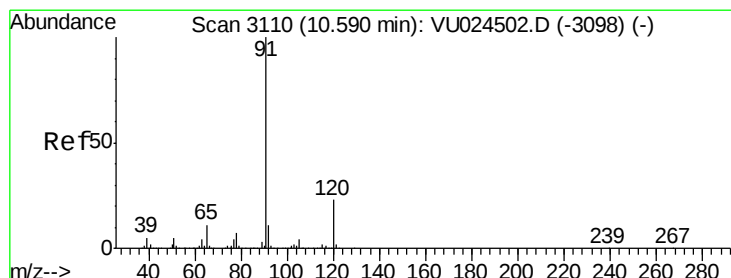
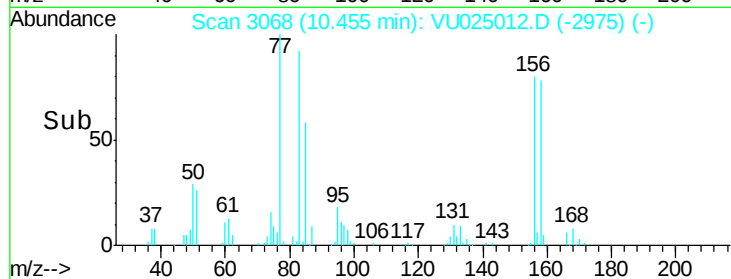
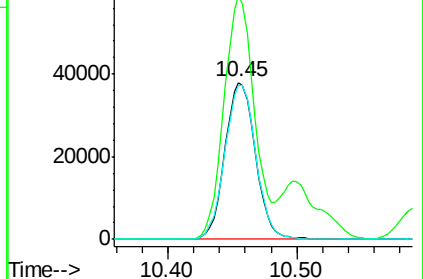
6/29/2018 4:23:26 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025012.D

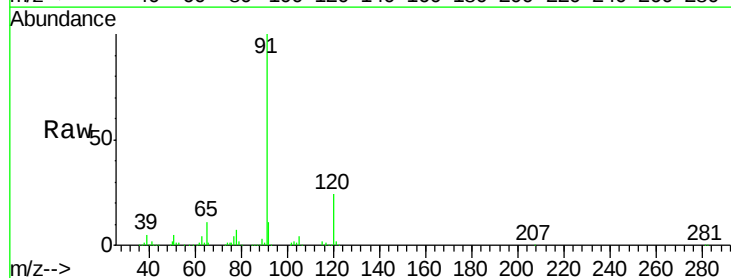
Acq: 28 Jun 2018 11:50

Tgt Ion: 91 Resp: 279045

Ion Ratio Lower Upper

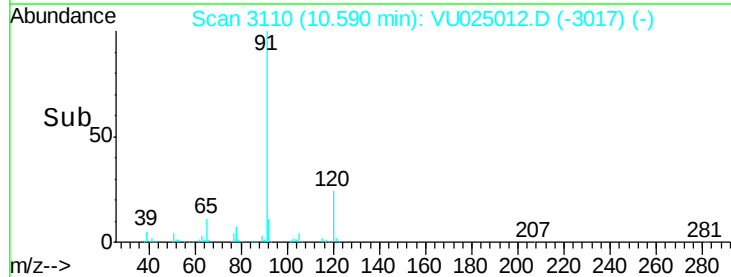
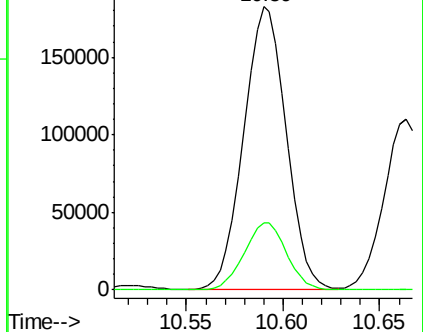
91 100

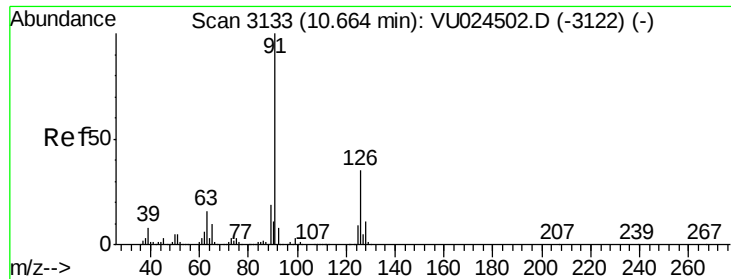
120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.41 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion: 91 Resp: 170083

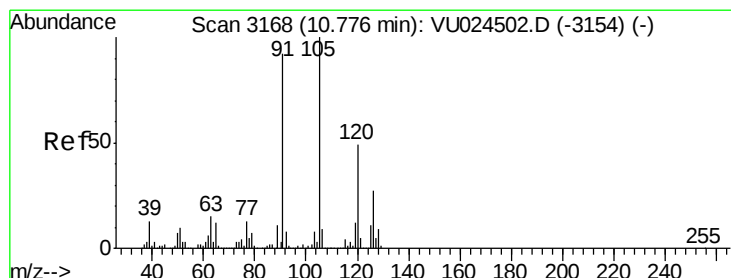
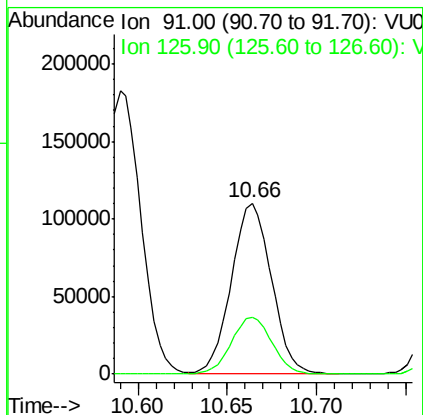
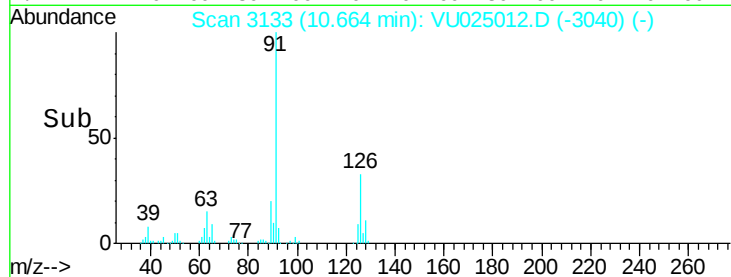
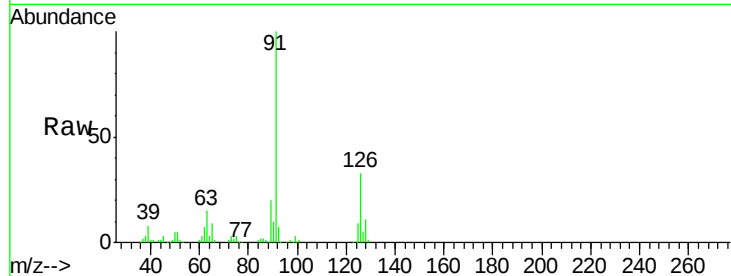
Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.95 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025012.D

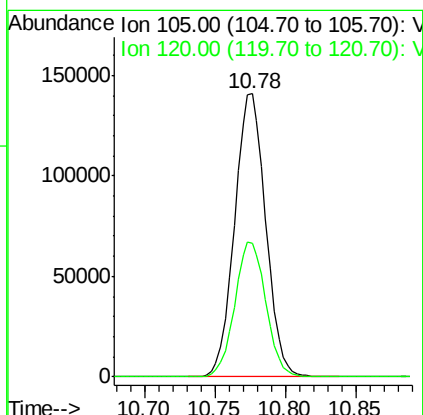
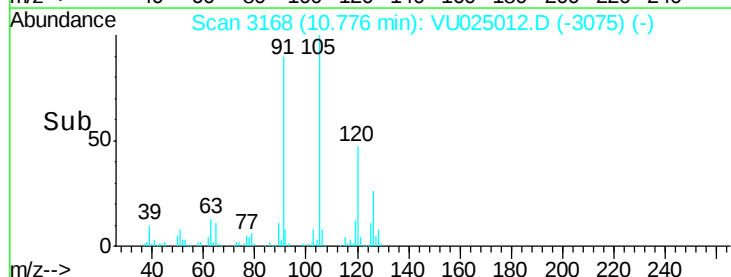
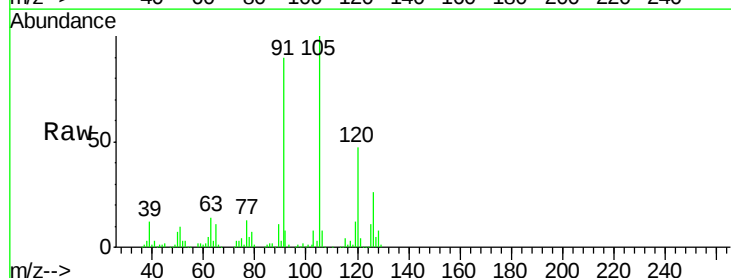
Acq: 28 Jun 2018 11:50

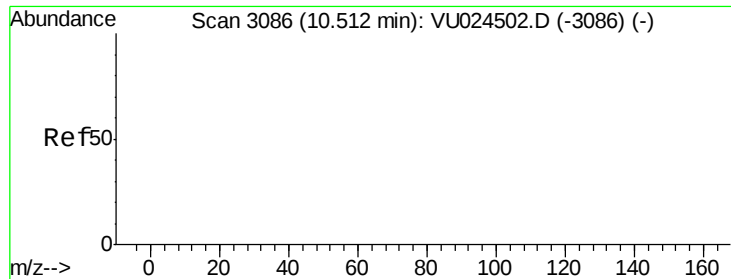
Tgt Ion: 105 Resp: 217587

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.2





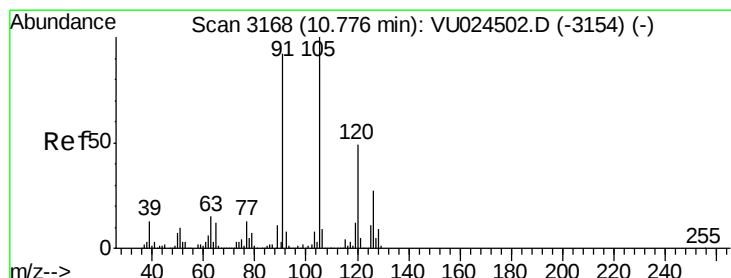
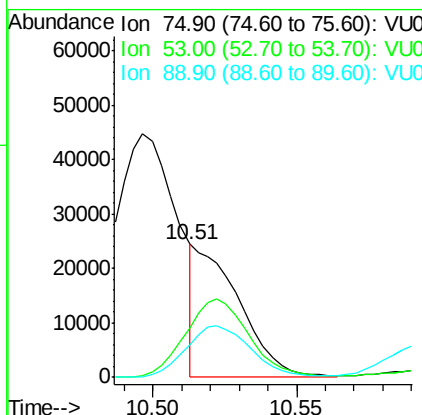
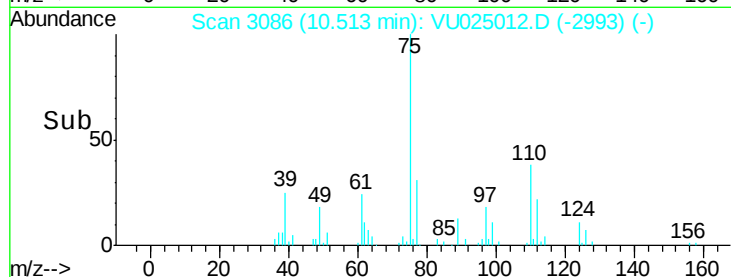
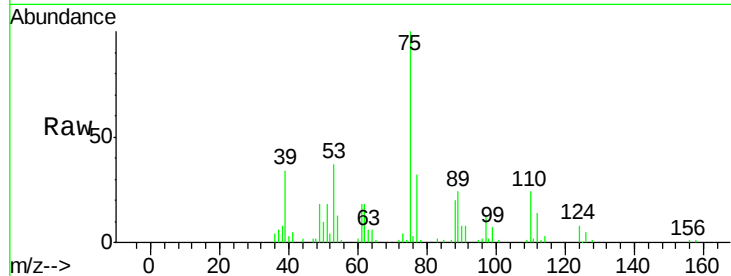
#81
trans-1,4-Dichloro-2-butene
Concen: 18.55 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

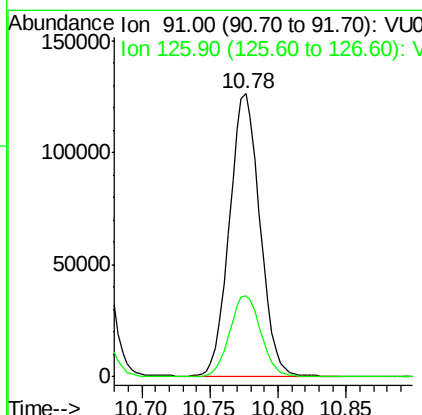
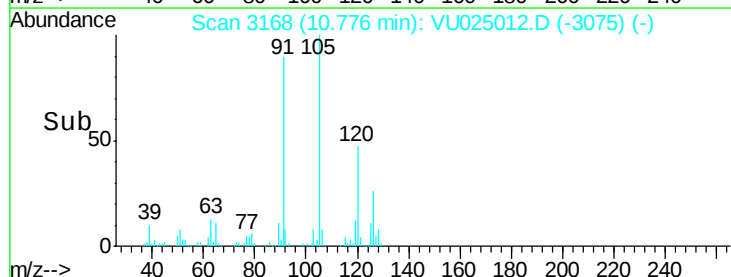
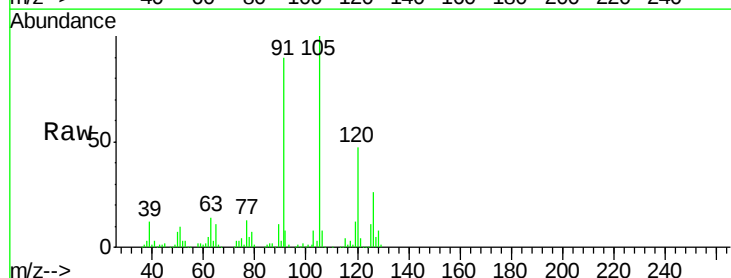
Manual Integrations
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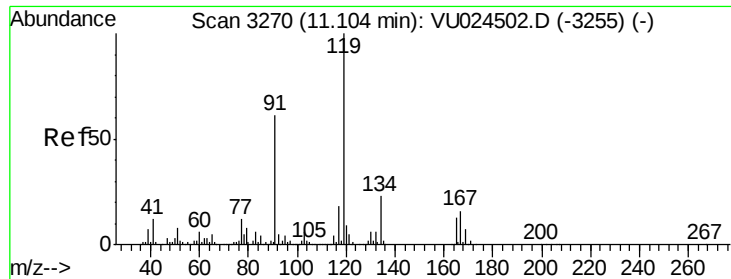
MMDadoda
6/29/2018 4:23:26 PM



#82
4-Chlorotoluene
Concen: 21.23 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.9	44.9





#83

tert-Butylbenzene

Concen: 22.28 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

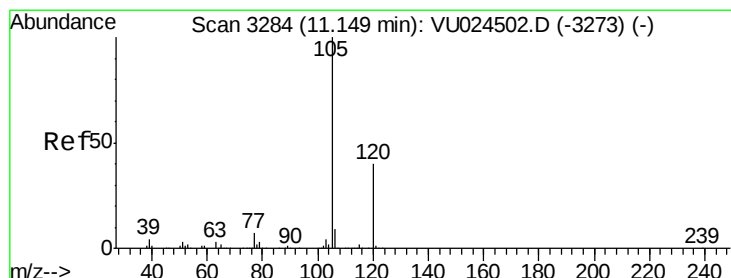
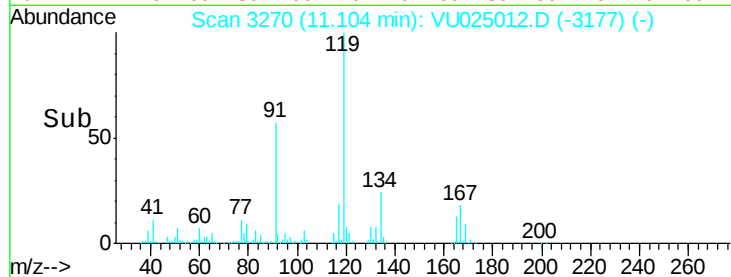
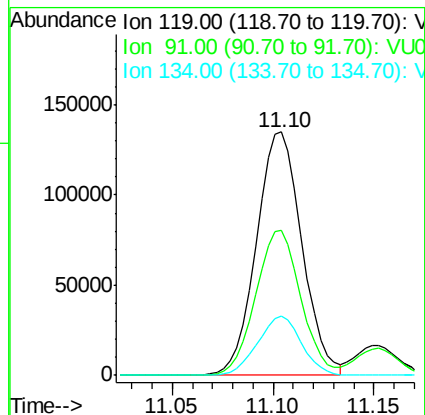
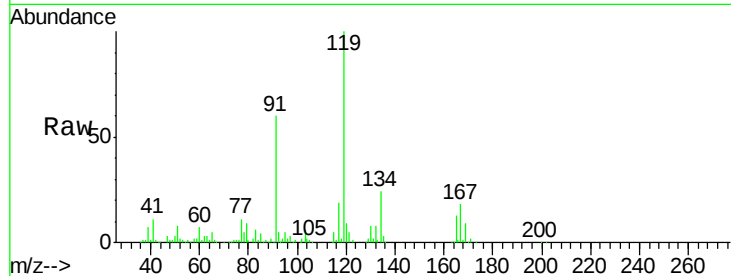
ClientSampleId :

VU0628WBS01

Tot Ion:	119	Resp:	212457
Ion Ratio	Lower	Upper	
119	100		
91	59.0	29.7	89.1
134	23.5	11.6	34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.48 ug/l

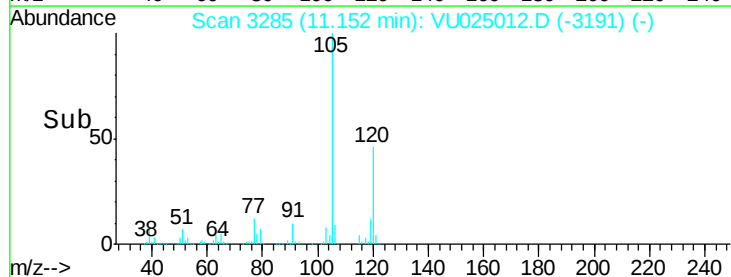
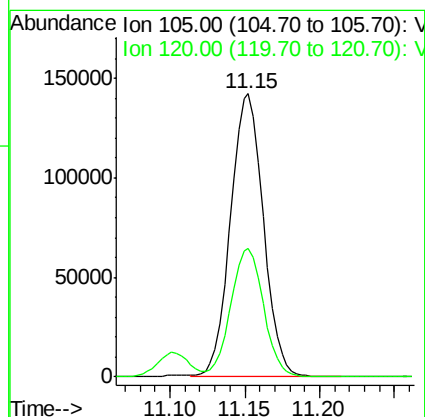
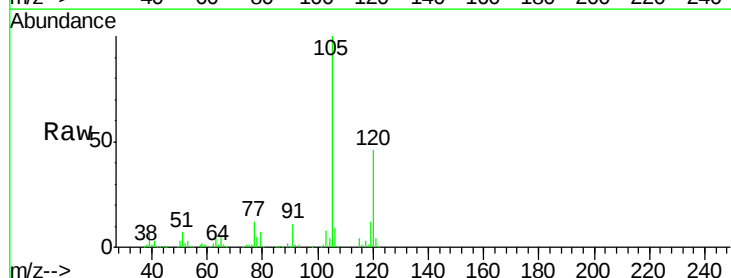
RT: 11.15 min Scan# 3285

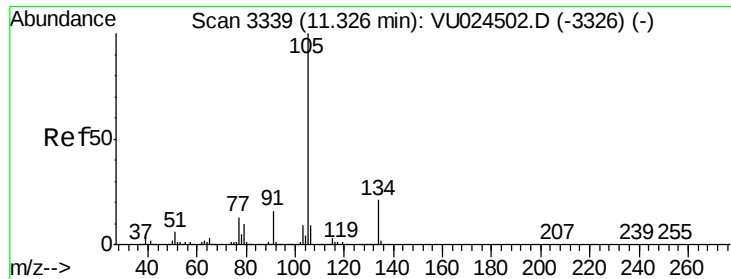
Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	105	Resp:	217038
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 21.55 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tot Ion:105 Resp: 257173

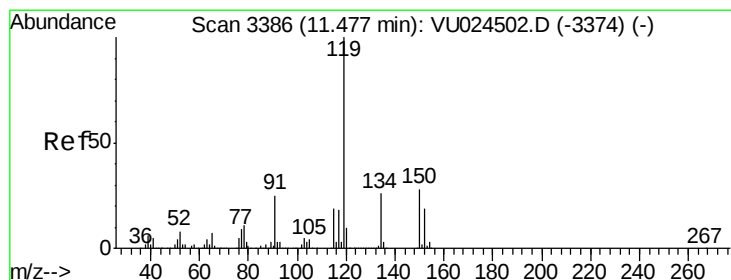
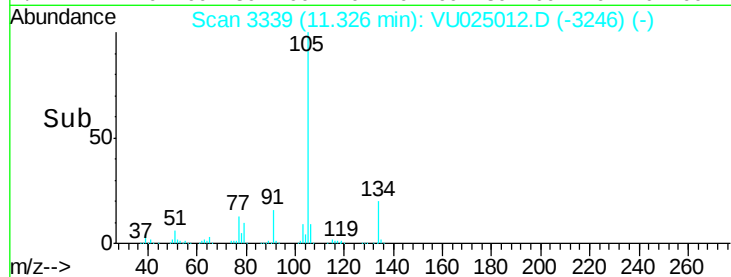
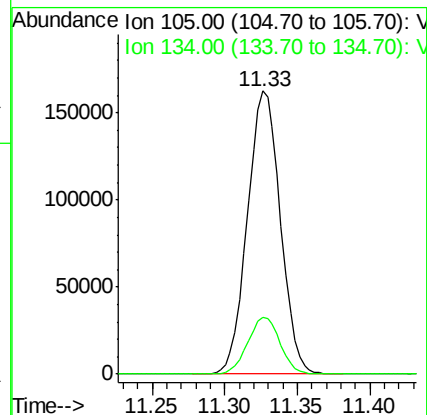
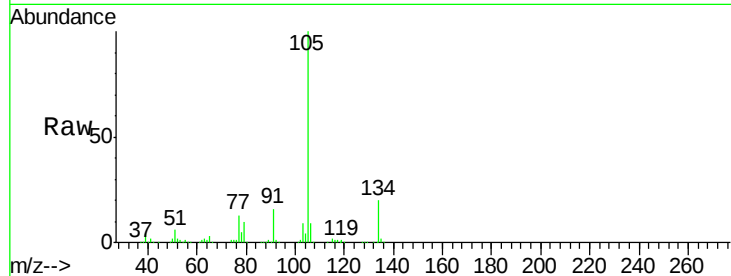
Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.06 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

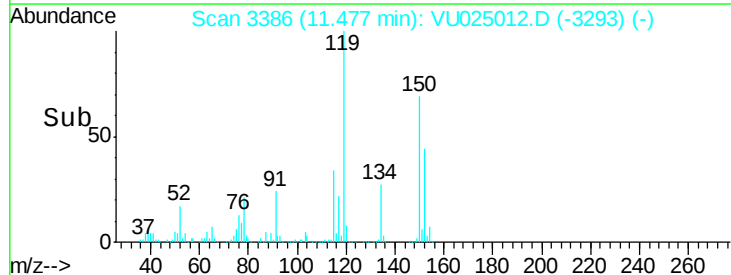
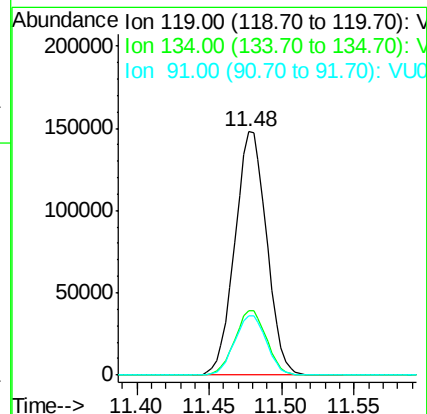
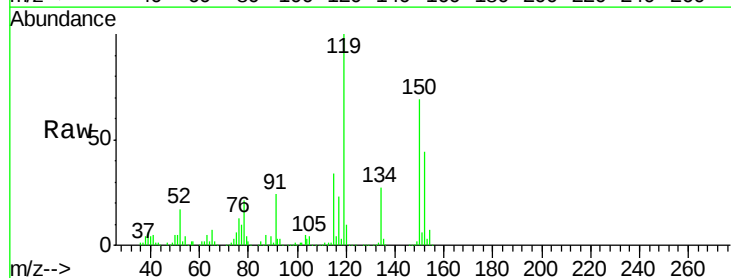
Tgt Ion:119 Resp: 225102

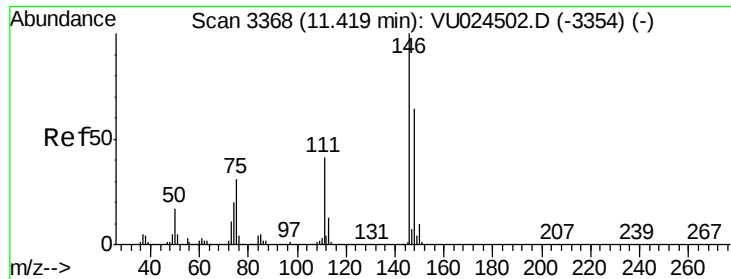
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 24.5 12.0 36.1





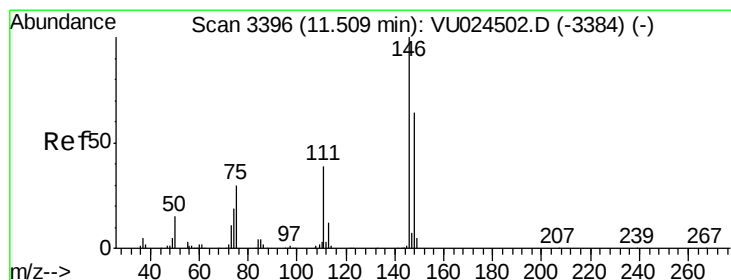
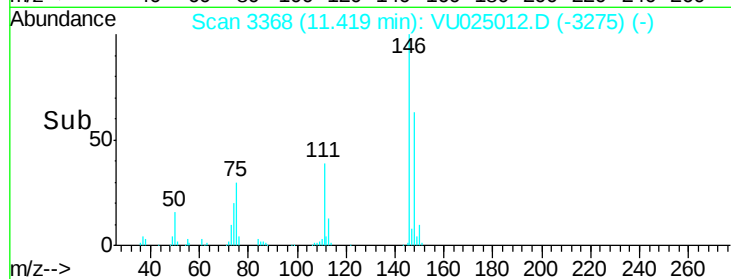
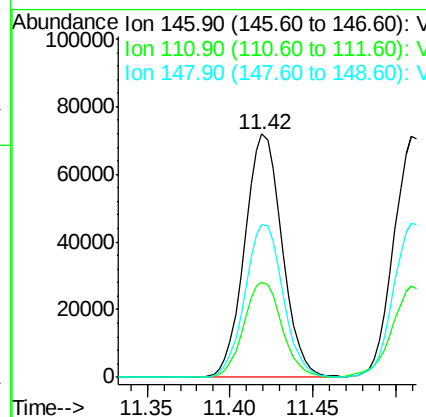
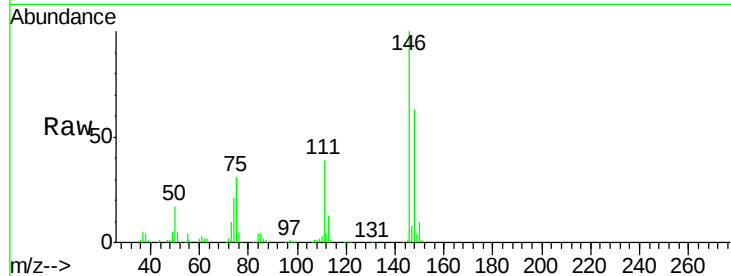
#87
 1,3-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112995		
111	39.6	20.0	60.0	
148	63.8	32.1	96.5	

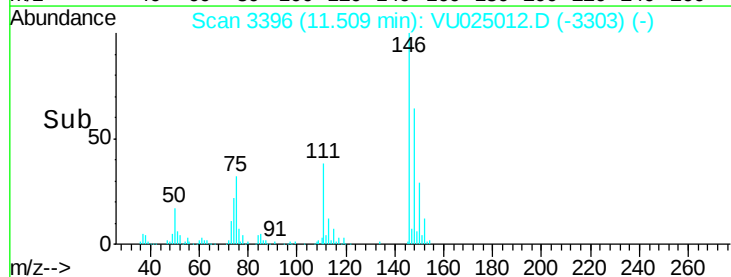
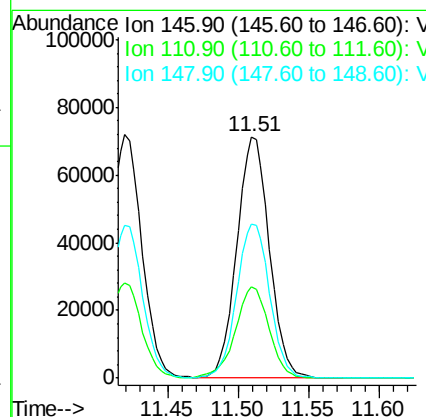
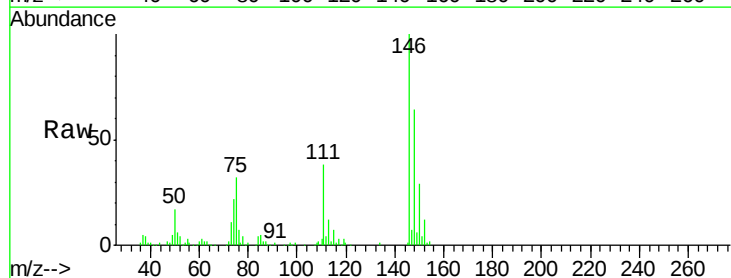
Manual Integrations
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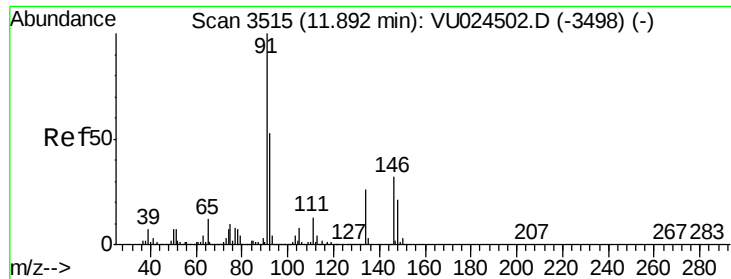
MMDadoda
 6/29/2018 4:23:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.31 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114728		
111	39.5	19.5	58.5	
148	65.3	32.4	97.0	





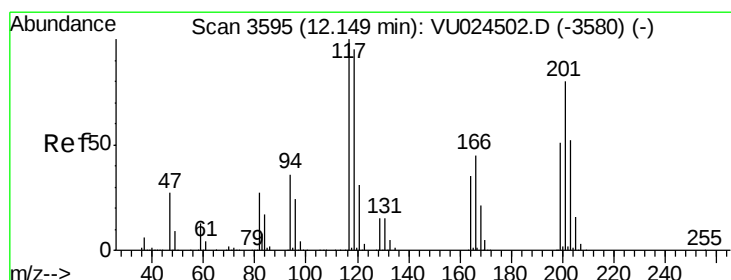
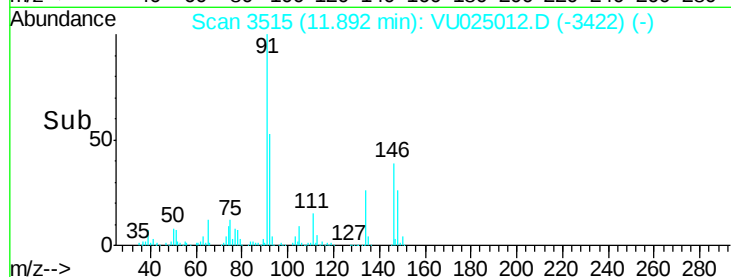
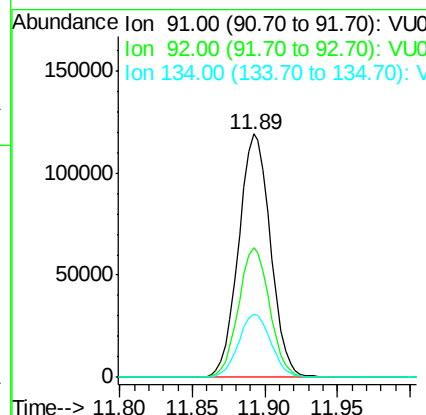
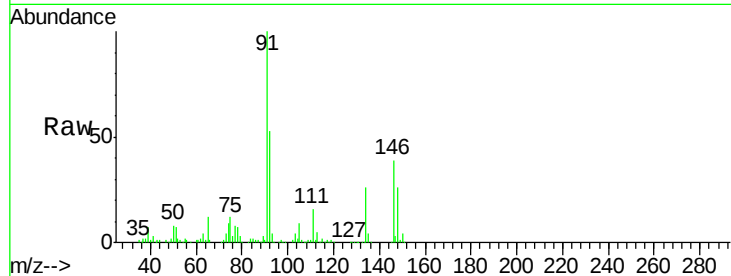
#89
n-Butylbenzene
Concen: 19.13 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.6	76.8
134	26.3	12.3	36.8

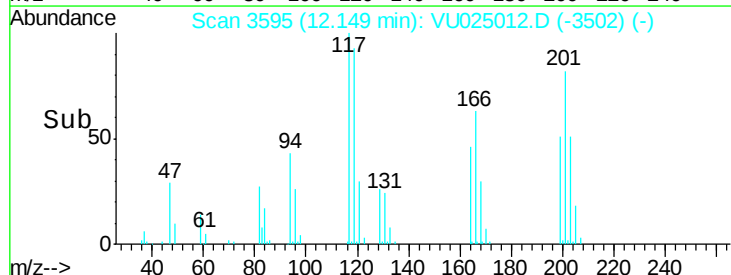
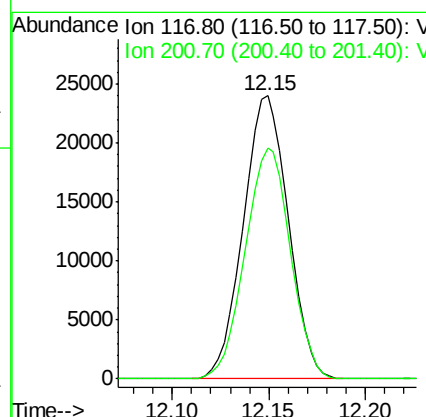
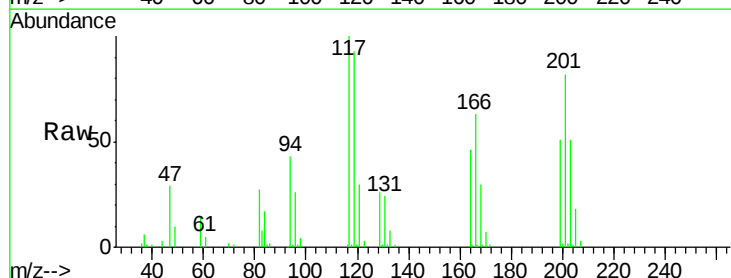
Manual Integrations
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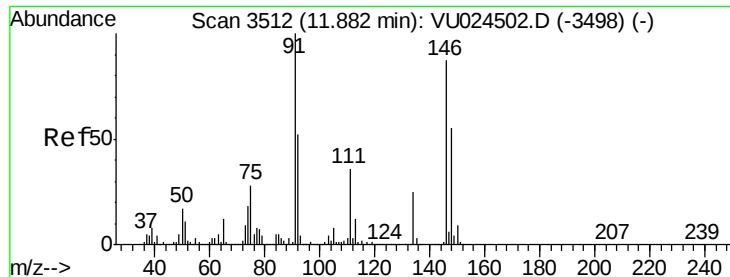
MMDadoda
6/29/2018 4:23:26 PM



#90
Hexachloroethane
Concen: 18.61 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	41.1	123.3





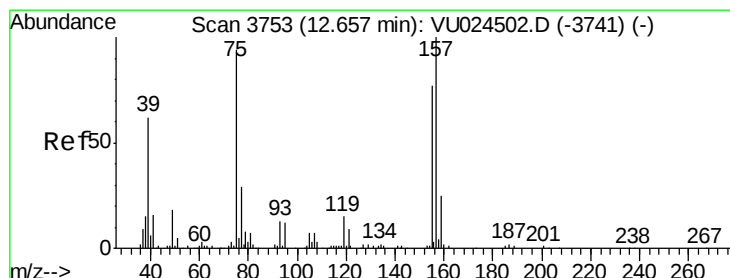
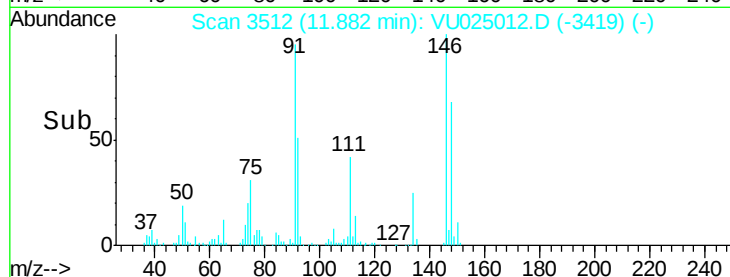
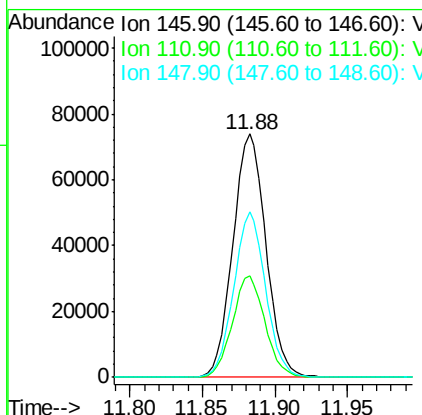
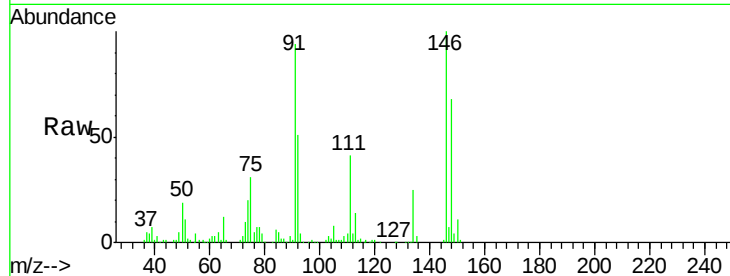
#91
 1,2-Dichlorobenzene
 Concen: 21.83 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	65.3	31.9	95.7

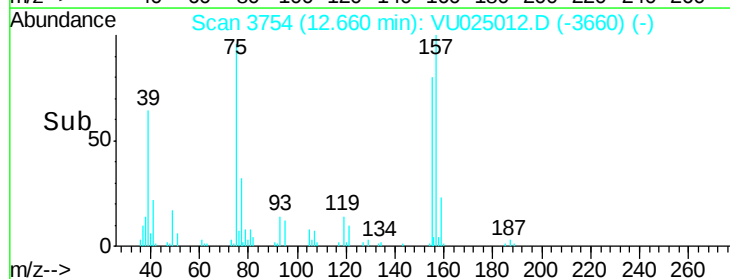
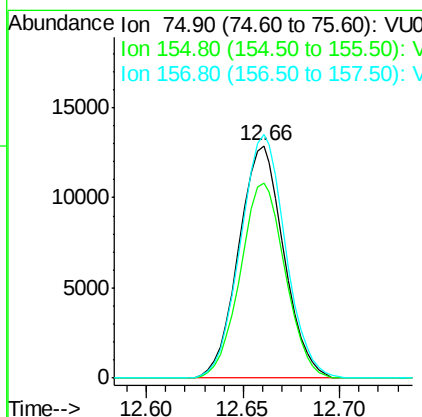
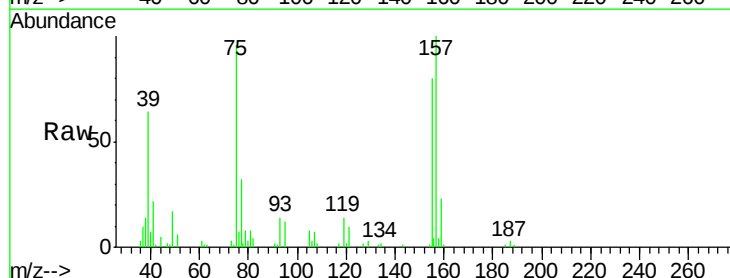
Manual Integrations
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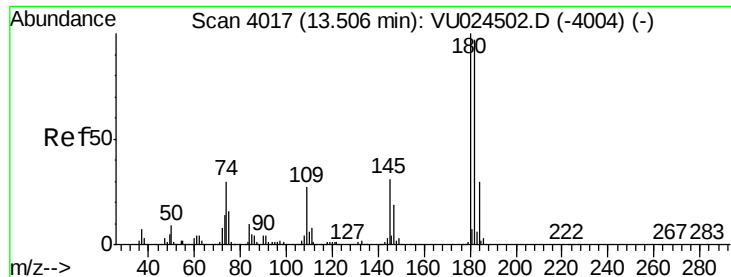
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.75 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.4	121.2
157	105.2	52.3	156.8





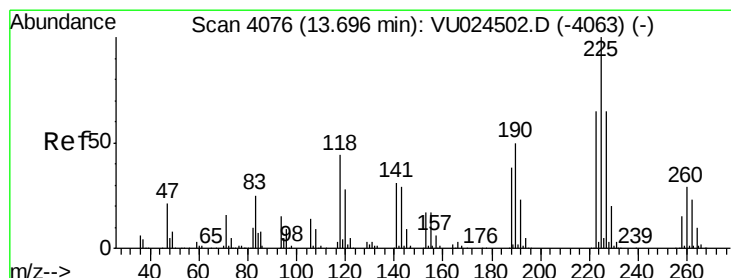
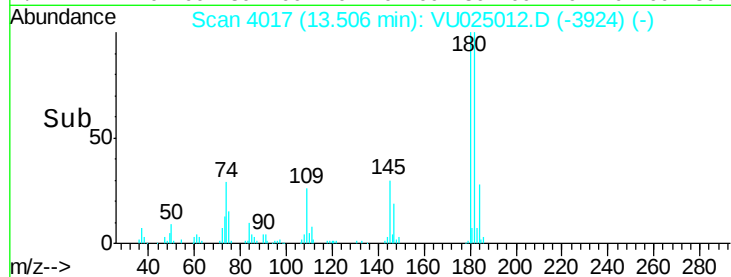
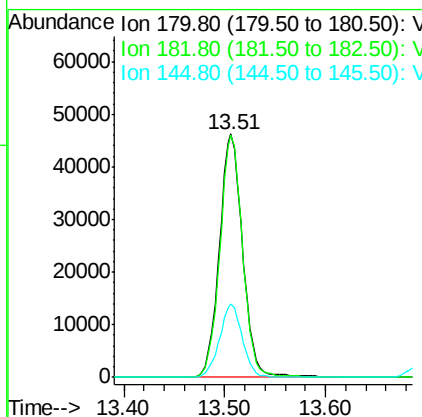
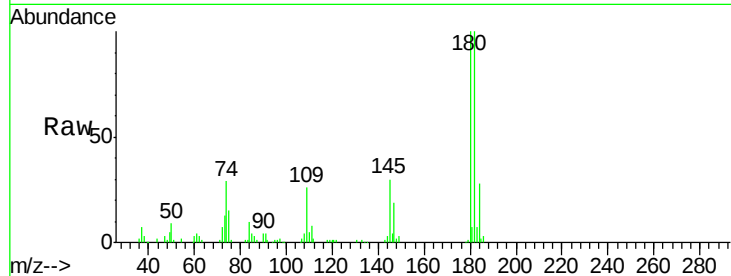
#93
 1,2,4-Trichlorobenzene
 Concen: 22.47 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	29.5	14.7	44.1

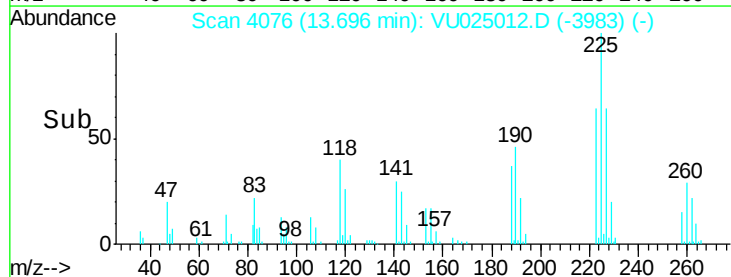
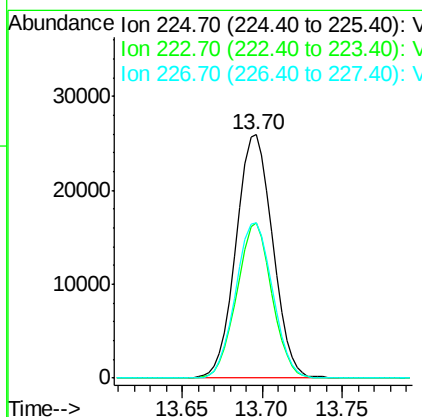
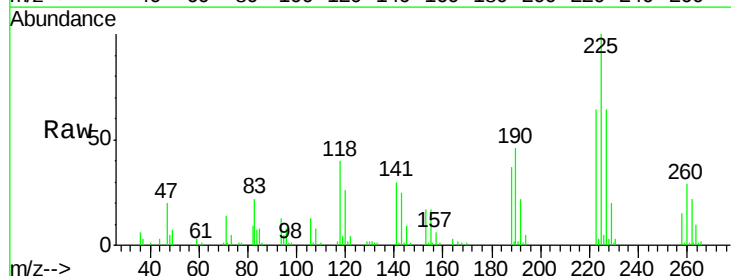
Manual Integrations
 APPROVED

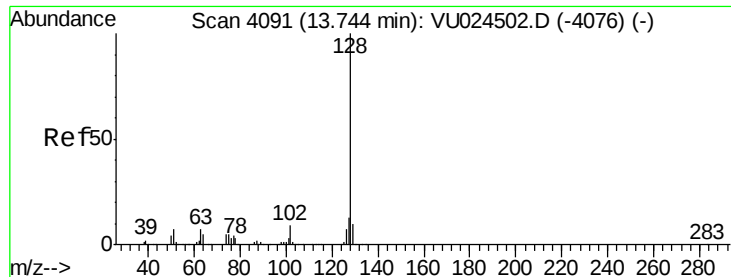
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 21.72 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.3	93.8
227	64.2	31.8	95.4





#95

Naphthalene

Concen: 22.41 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

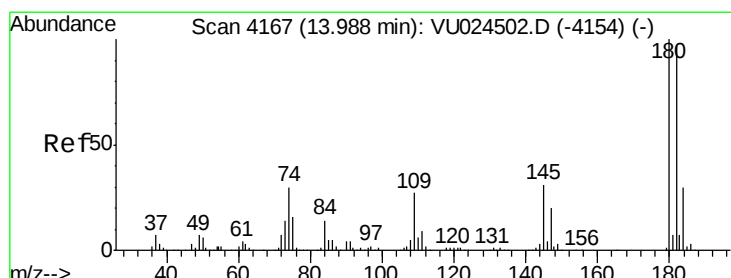
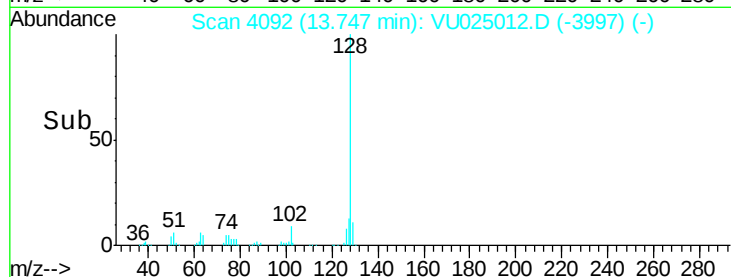
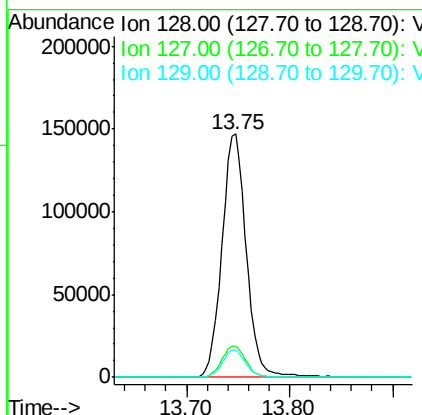
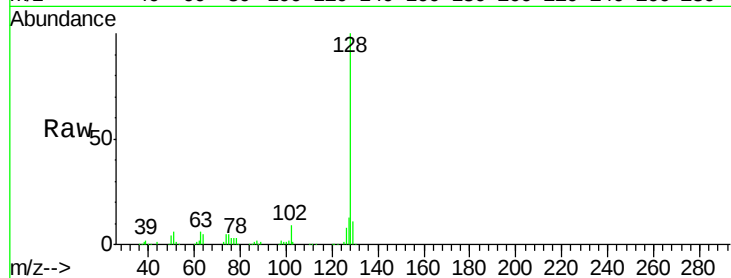
ClientSampleId :

VU0628WBS01

Tot Ion:	128	Resp:	241282
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 23.49 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion:	180	Resp:	77446
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.7
145	31.9	15.4	46.1

