

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026682.D
 Acq On : 11 Sep 2018 13:13
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU091218

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:57 PM

Quant Time: Sep 12 05:42:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	174656	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	102193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	84143	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	4.88	113	68960	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	7.57	98	259985	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	10.31	95	96113	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	61255	48.79	ug/l	99
3) Chloromethane	1.33	50	83088	47.37	ug/l	100
4) Vinyl Chloride	1.40	62	87750	48.28	ug/l	99
5) Bromomethane	1.61	94	50434	44.30	ug/l	99
6) Chloroethane	1.69	64	54251	46.90	ug/l	97
7) Trichlorofluoromethane	1.88	101	115617	48.66	ug/l	99
8) Diethyl Ether	2.10	74	50232	48.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	69338	49.13	ug/l	99
10) Methyl Iodide	2.41	142	62834	48.90	ug/l	99
11) Tert butyl alcohol	2.83	59	97628	227.22	ug/l	99
12) 1,1-Dichloroethene	2.28	96	64741	48.53	ug/l	98
13) Acrolein	2.19	56	61862	213.65	ug/l	99
14) Allyl chloride	2.59	41	112773	46.94	ug/l	100
15) Acrylonitrile	2.93	53	223119	242.14	ug/l	99
16) Acetone	2.32	43	233736	234.20	ug/l	99
17) Carbon Disulfide	2.48	76	203625	47.97	ug/l	100
18) Methyl Acetate	2.61	43	102828	47.75	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	229619	49.99	ug/l	99
20) Methylene Chloride	2.70	84	75171	46.44	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	69119	49.18	ug/l	99
22) Diisopropyl ether	3.57	45	250830	50.02	ug/l	98
23) Vinyl Acetate	3.52	43	1078340	253.15	ug/l	99
24) 1,1-Dichloroethane	3.44	63	137104	48.47	ug/l	100
25) 2-Butanone	4.26	43	324435	241.33	ug/l	99
26) 2,2-Dichloropropane	4.23	77	117312	50.45	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	80739	49.85	ug/l	100
28) Bromochloromethane	4.55	49	66135	48.89	ug/l	99
29) Tetrahydrofuran	4.64	42	191398	236.15	ug/l	99
30) Chloroform	4.67	83	134629	48.40	ug/l	97
31) Cyclohexane	5.00	56	127339	49.28	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	114653	49.78	ug/l	99
36) 1,1-Dichloropropene	5.14	75	102120	52.08	ug/l	100
37) Ethyl Acetate	4.38	43	114313	48.48	ug/l	99
38) Carbon Tetrachloride	5.13	117	103106	49.77	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	124858	53.63	ug/l	99
40) Benzene	5.39	78	304996	50.08	ug/l	99
41) Methacrylonitrile	4.54	41	62412	47.01	ug/l	98
42) 1,2-Dichloroethane	5.40	62	107531	49.52	ug/l	100
43) Isopropyl Acetate	5.55	43	182317	50.78	ug/l	100
44) Trichloroethene	6.19	130	77008	51.09	ug/l	100
45) 1,2-Dichloropropane	6.43	63	84677	51.15	ug/l	99
46) Dibromomethane	6.56	93	53597	50.17	ug/l	97
47) Bromodichloromethane	6.76	83	105818	50.30	ug/l	100
48) Methyl methacrylate	6.62	41	92738	47.31	ug/l	99
49) 1,4-Dioxane	6.61	88	43910	976.73	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	594512	247.54	ug/l	100
52) Toluene	7.64	92	187136	51.59	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	123093	52.75	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	130919	52.25	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	76721	49.36	ug/l	98
56) Ethyl methacrylate	8.02	69	122837	47.09	ug/l	98
57) 1,3-Dichloropropane	8.24	76	134351	50.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	285478	229.72	ug/l	100
59) 2-Hexanone	8.36	43	474701	251.15	ug/l	99
60) Dibromochloromethane	8.48	129	85818	50.98	ug/l	99
61) 1,2-Dibromoethane	8.59	107	84411	50.06	ug/l	99
64) Tetrachloroethene	8.23	164	68362	51.56	ug/l	99
65) Chlorobenzene	9.12	112	211406	51.08	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	77359	50.80	ug/l	99
67) Ethyl Benzene	9.25	91	365707	53.64	ug/l	100
68) m/p-Xylenes	9.38	106	283480	109.30	ug/l	100
69) o-Xylene	9.78	106	136769	49.37	ug/l	100
70) Styrene	9.79	104	229442	49.19	ug/l	99
71) Bromoform	9.96	173	68770	51.92	ug/l #	100
73) Isopropylbenzene	10.17	105	370959	53.27	ug/l	100
74) N-amyl acetate	10.02	43	173544	52.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	132773	46.78	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	106144m	46.37	ug/l	
77) Bromobenzene	10.45	156	95279	50.34	ug/l	99
78) n-propylbenzene	10.59	91	446149	55.08	ug/l	100
79) 2-Chlorotoluene	10.66	91	257847	51.36	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	313606	53.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38313m	54.05	ug/l	
82) 4-Chlorotoluene	10.77	91	305120	54.09	ug/l	100
83) tert-Butylbenzene	11.10	119	315376	53.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	321896	54.52	ug/l	100
85) sec-Butylbenzene	11.33	105	386024	54.72	ug/l	100
86) p-Isopropyltoluene	11.48	119	343964	50.70	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	177385	50.24	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	178908	48.79	ug/l	100
89) n-Butylbenzene	11.89	91	316159	50.78	ug/l	99
90) Hexachloroethane	12.15	117	62563	50.26	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	177405	49.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28597	50.26	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	131198	55.62	ug/l	100
94) Hexachlorobutadiene	13.69	225	65461	53.95	ug/l	99
95) Naphthalene	13.74	128	406694	51.23	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	135077	54.83	ug/l	99

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

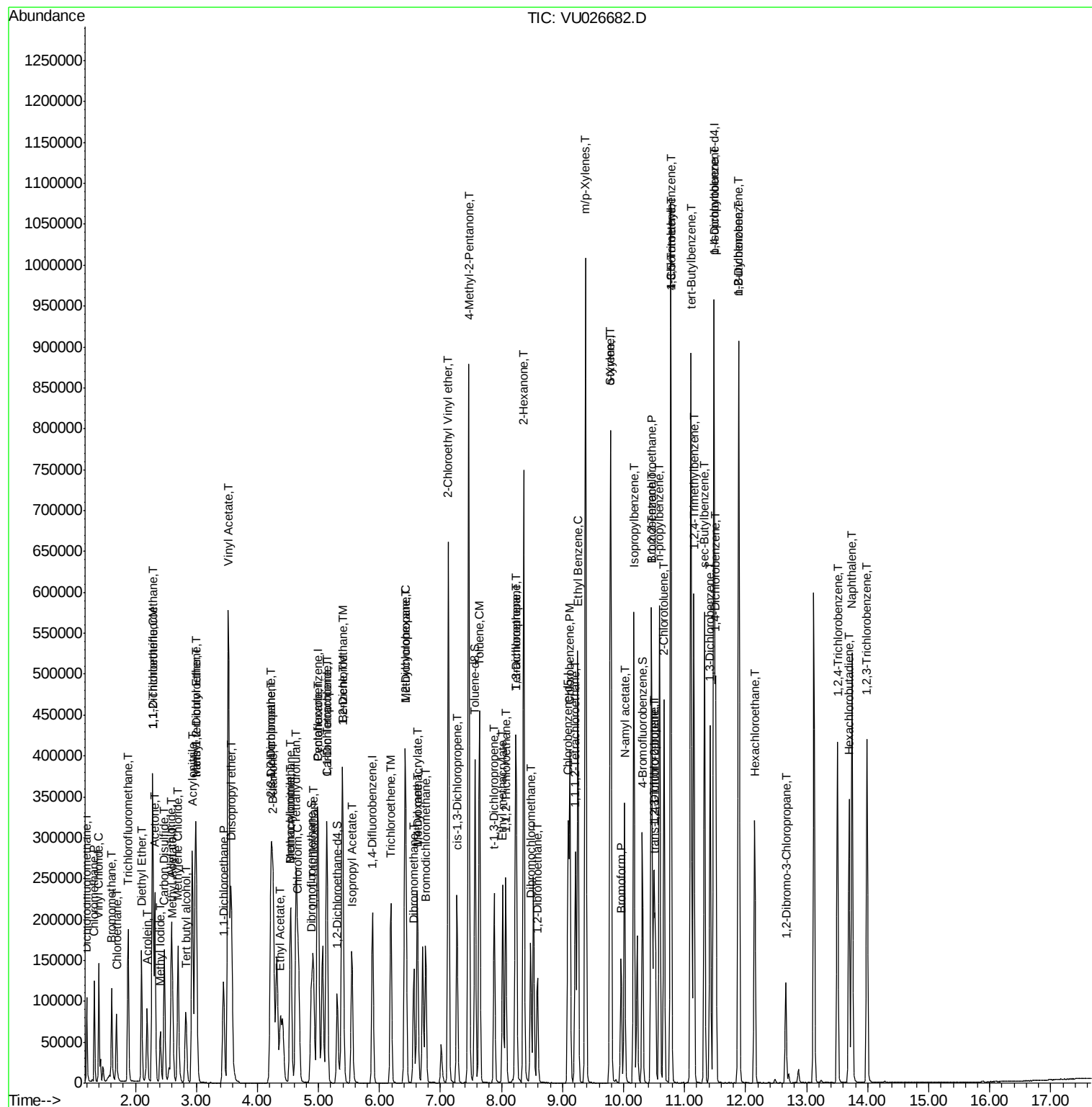
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091218\
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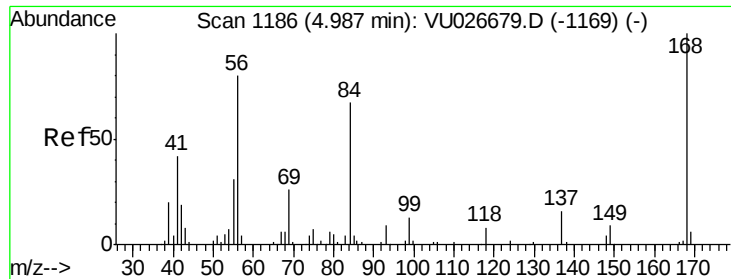
Instrument :
 MSVOA_U
 ClientSampleID :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion:168 Resp: 116202

Ion Ratio Lower Upper

168 100

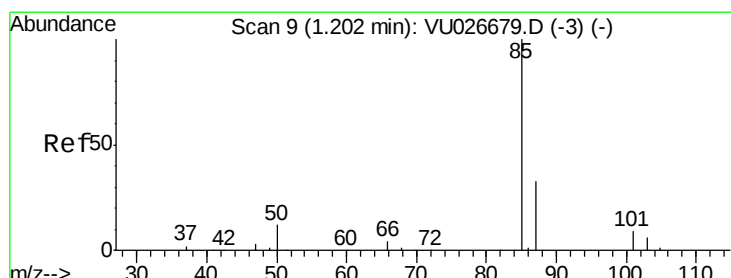
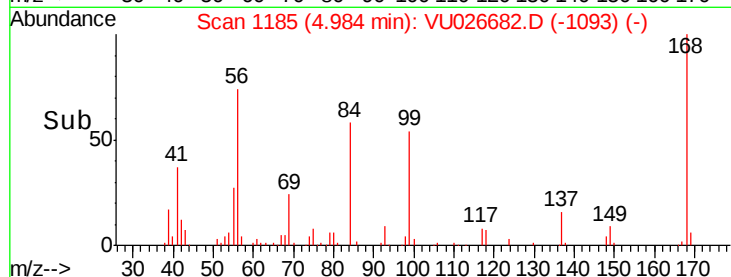
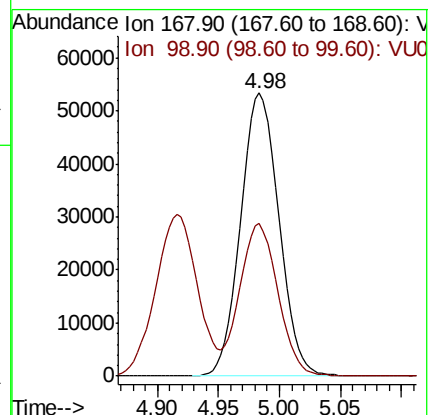
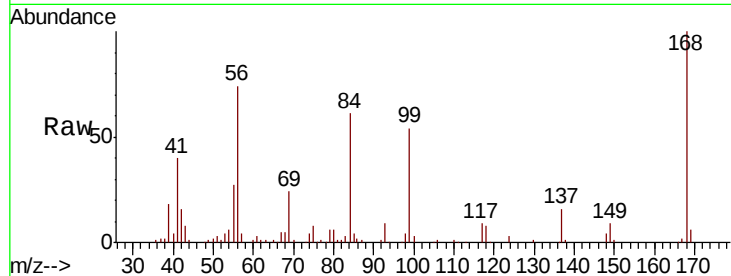
99 53.5 42.0 63.0

Manual Integrations

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9/13/2018 4:48:57 PM



#2

Dichlorodifluoromethane

Concen: 48.79 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026682.D

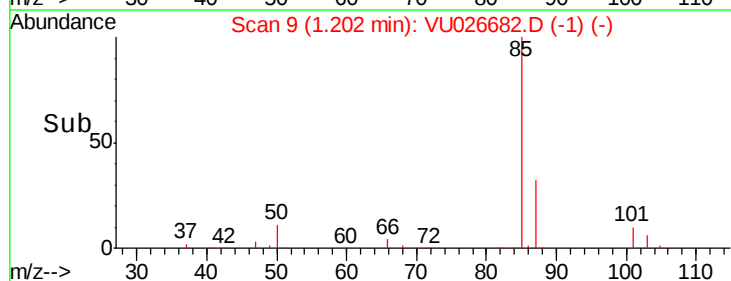
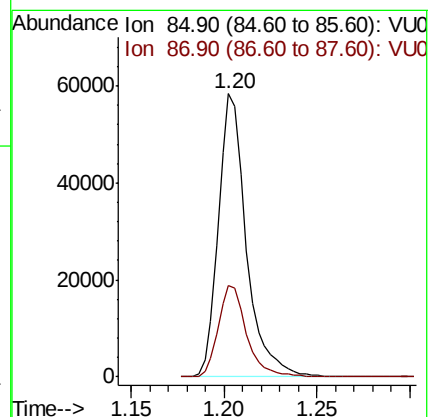
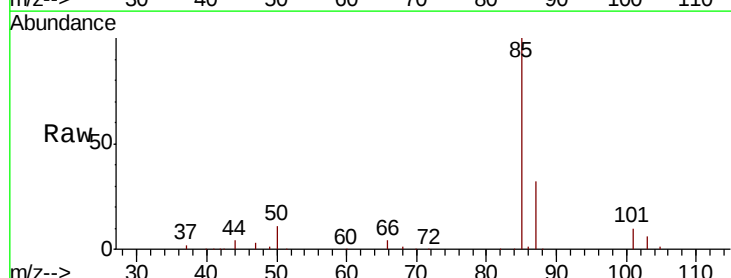
Acq: 11 Sep 2018 13:13

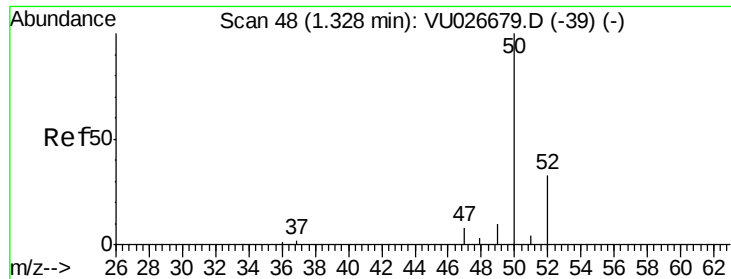
Tgt Ion: 85 Resp: 61255

Ion Ratio Lower Upper

85 100

87 32.5 16.6 49.7





#3

Chloromethane

Concen: 47.37 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 50 Resp: 83088

Ion Ratio Lower Upper

50 100

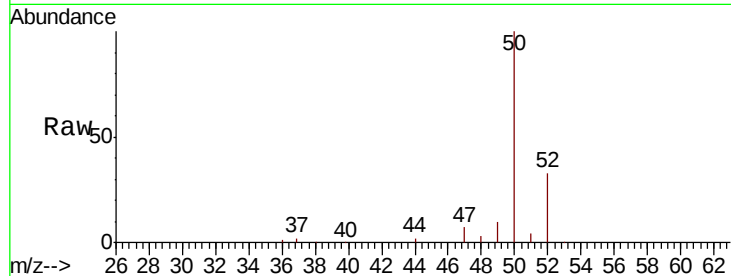
52 32.9 26.3 39.5

Manual Integrations

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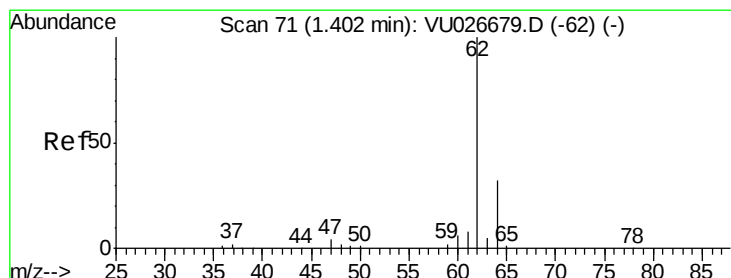
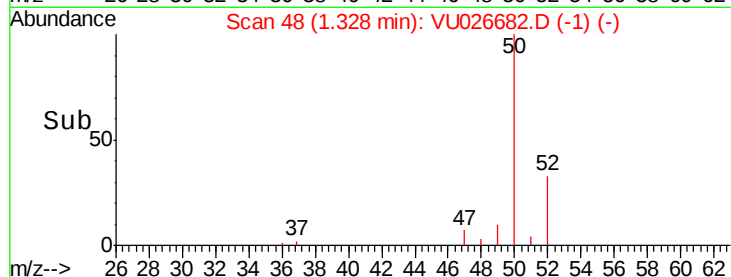
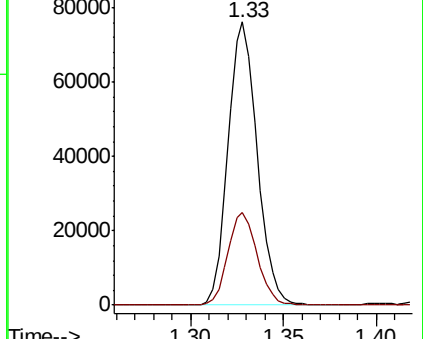
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.28 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026682.D

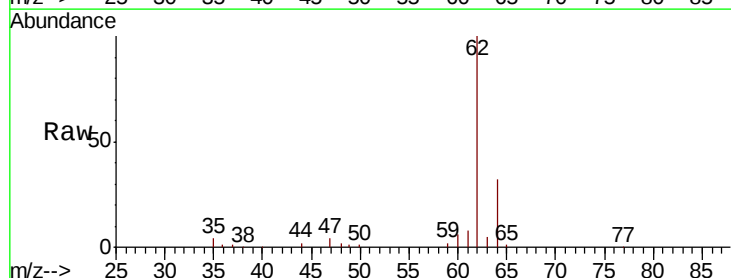
Acq: 11 Sep 2018 13:13

Tgt Ion: 62 Resp: 87750

Ion Ratio Lower Upper

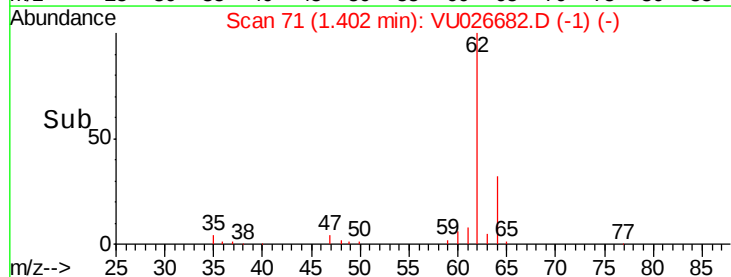
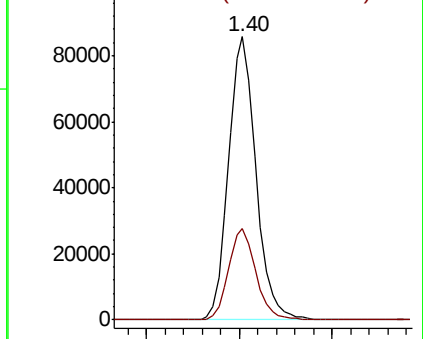
62 100

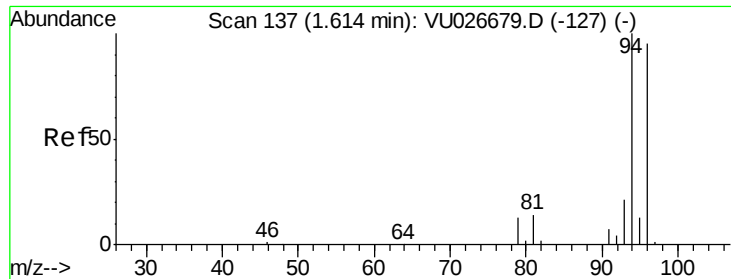
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 44.30 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 94 Resp: 50434

Ion Ratio Lower Upper

94 100

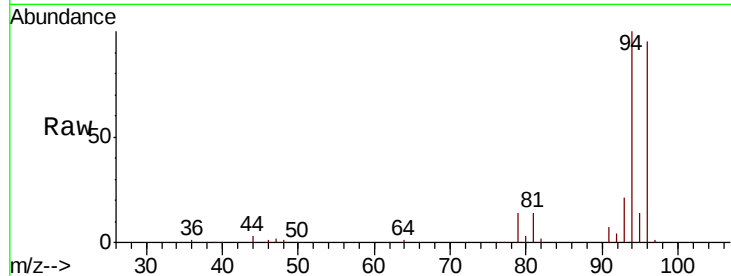
96 95.5 75.8 113.6

Manual Integrations

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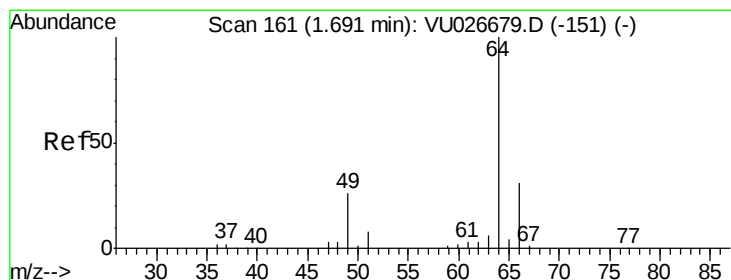
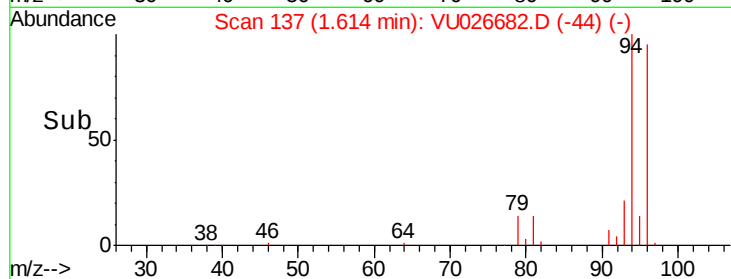
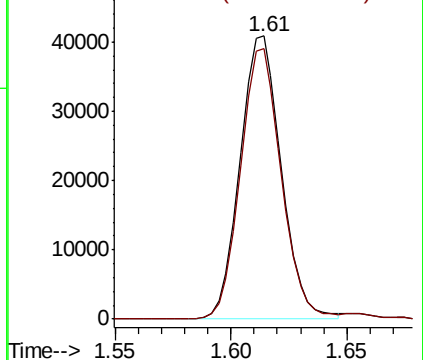
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 46.90 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026682.D

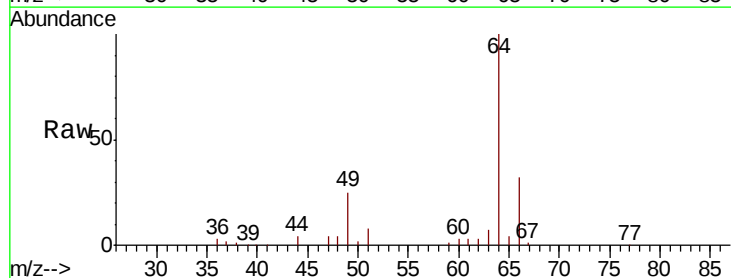
Acq: 11 Sep 2018 13:13

Tgt Ion: 64 Resp: 54251

Ion Ratio Lower Upper

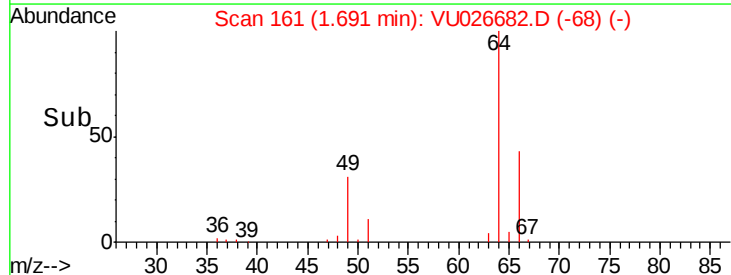
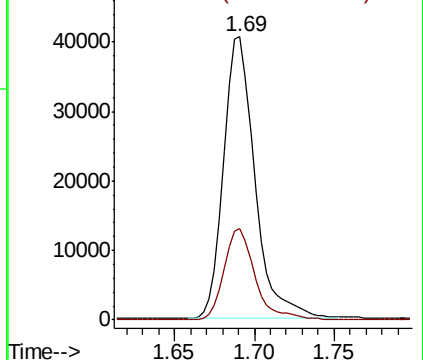
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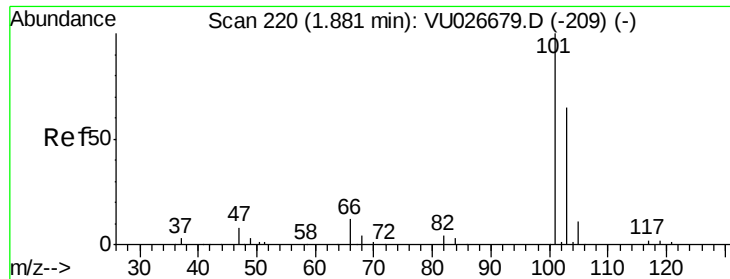
66 32.4 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

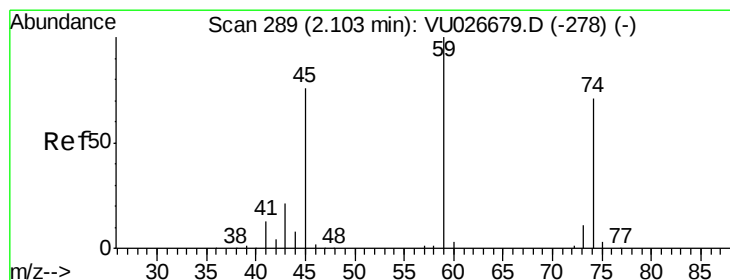
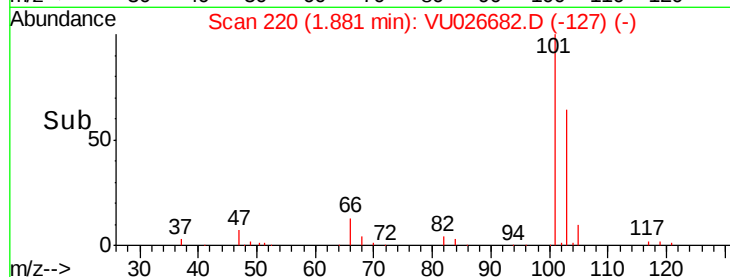
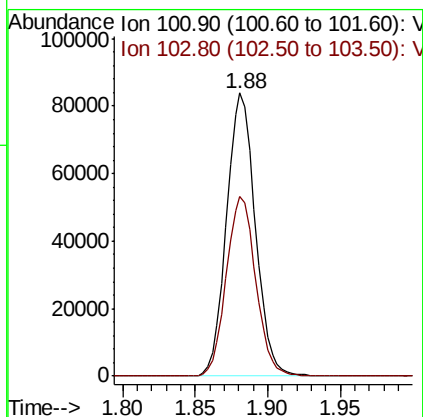
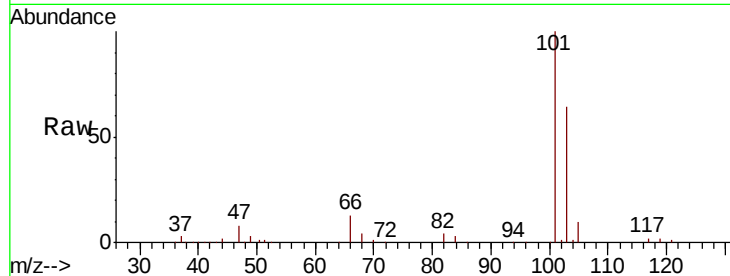
Trichlorofluoromethane
Concen: 48.66 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.7	77.5

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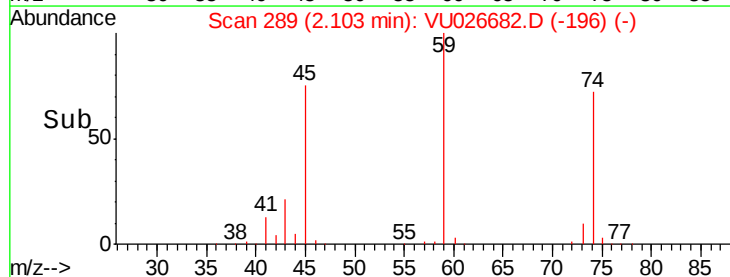
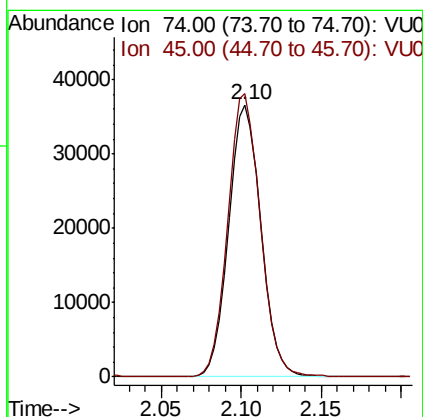
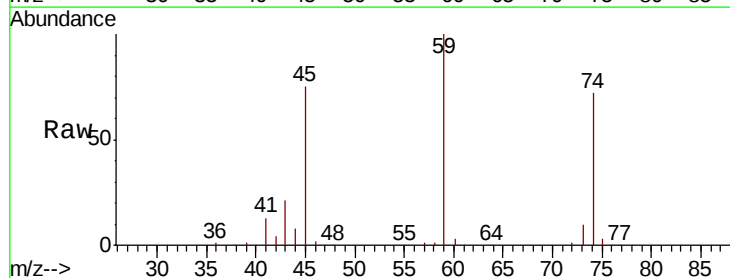
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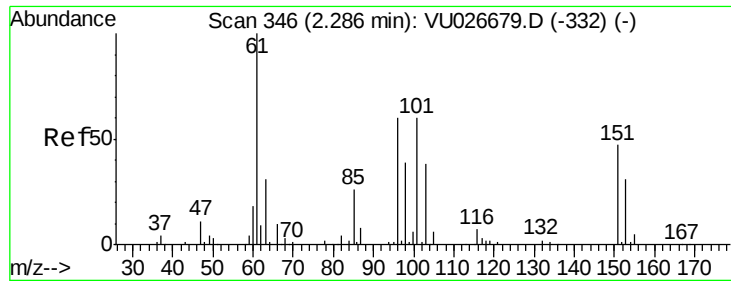


#8

Diethyl Ether
Concen: 48.24 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	53.6	160.8





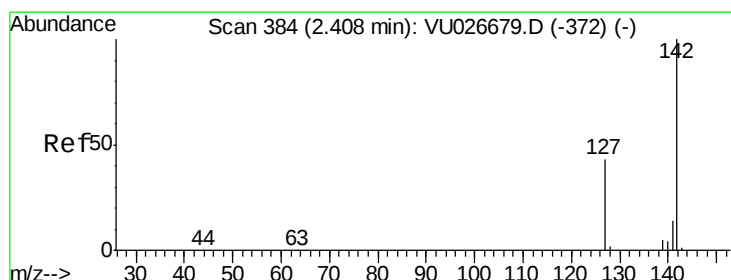
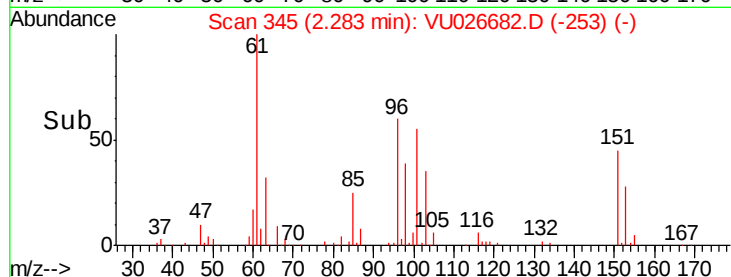
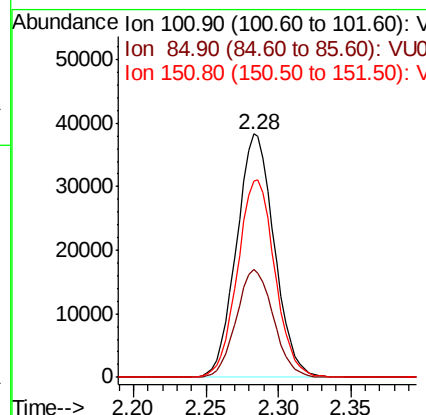
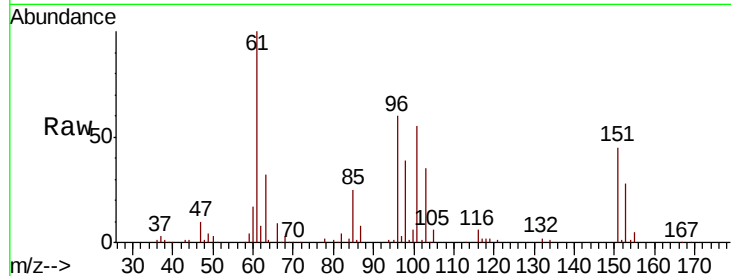
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.13 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.4	34.6	52.0
151	80.2	62.7	94.1

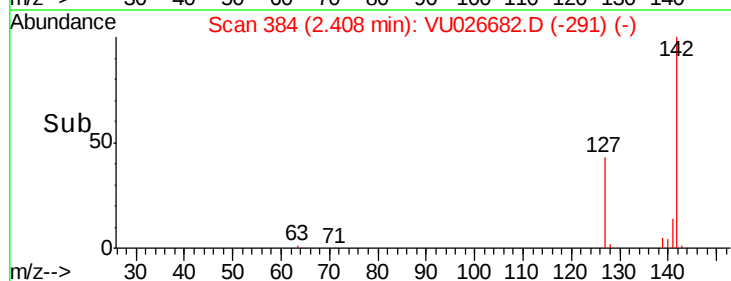
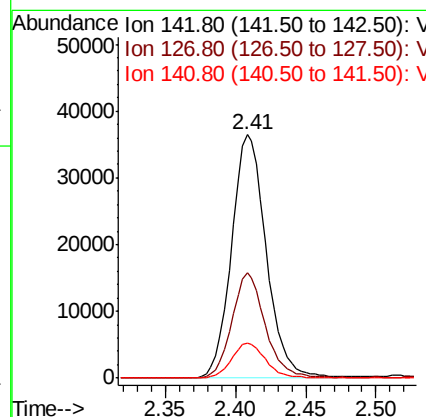
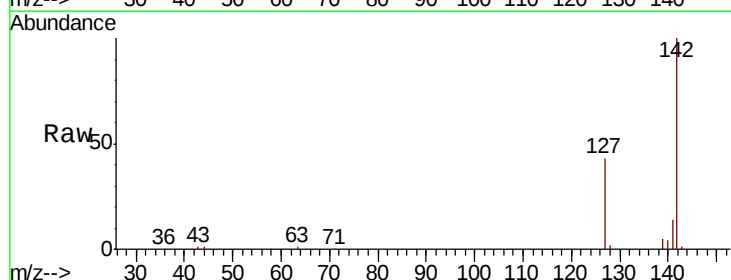
Manual Integrations
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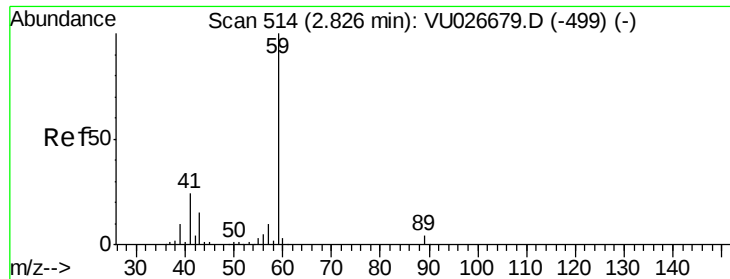
MMDadoda
 9/13/2018 4:48:57 PM



#10
 Methyl Iodide
 Concen: 48.90 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	41.4	34.1	51.1
141	14.0	11.2	16.8





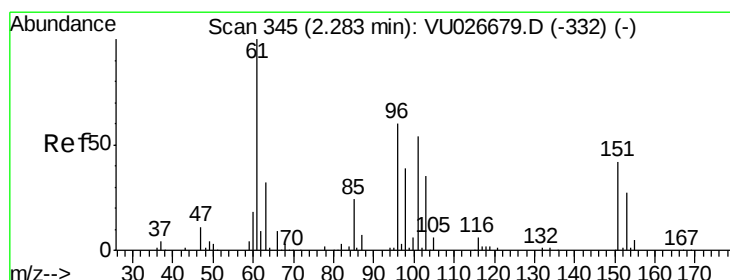
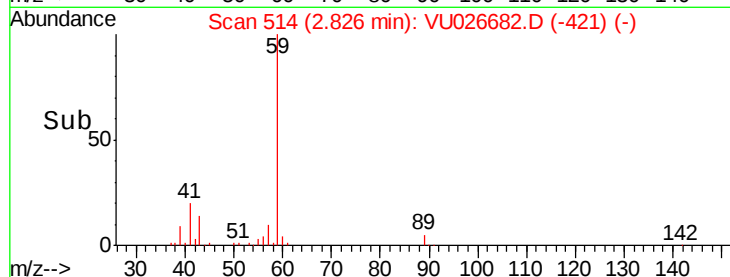
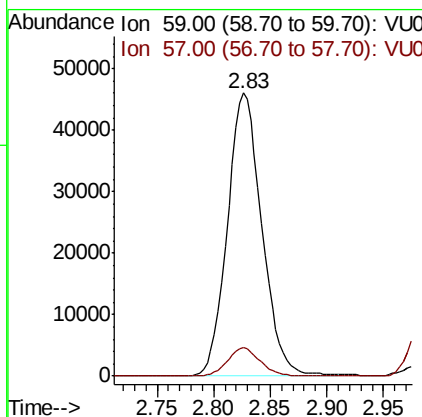
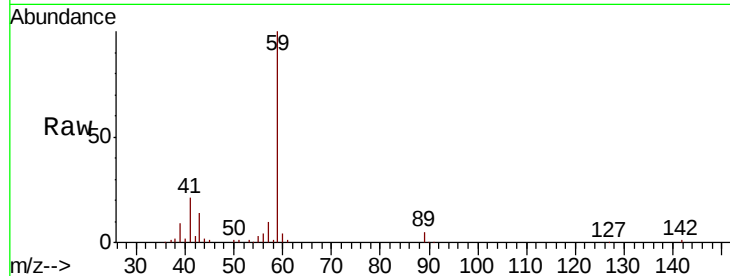
#11
Tert butyl alcohol
Concen: 227.22 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.0	12.0

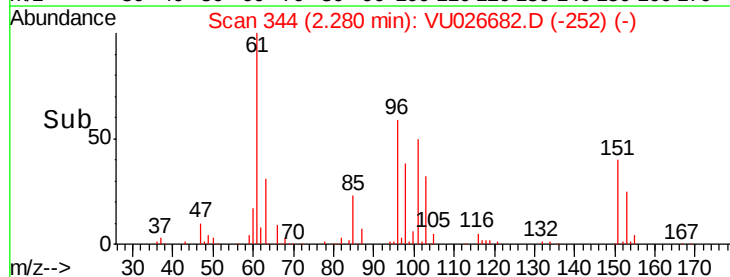
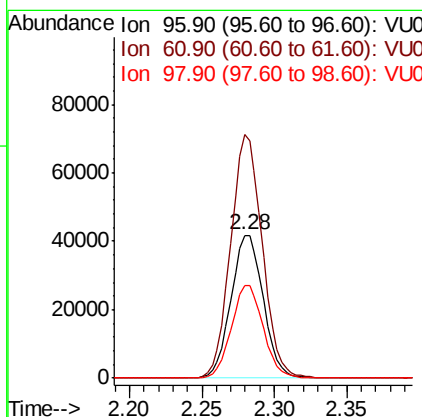
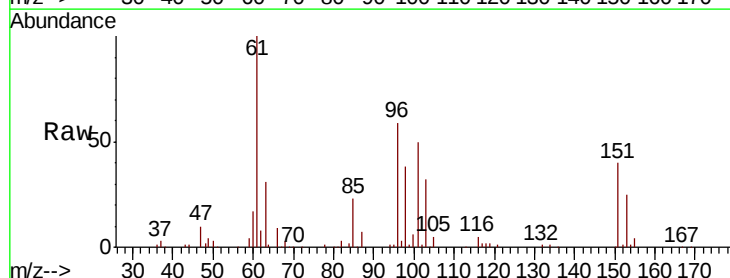
Manual Integrations
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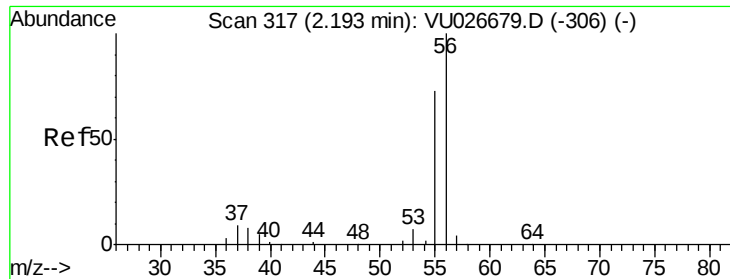
MMDadoda
9/13/2018 4:48:57 PM



#12
1,1-Dichloroethene
Concen: 48.53 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	133.0	199.6
98	65.2	51.3	76.9





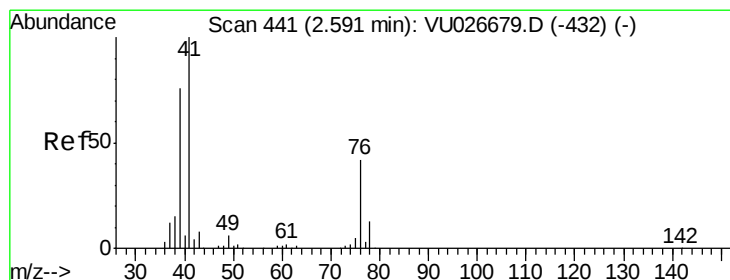
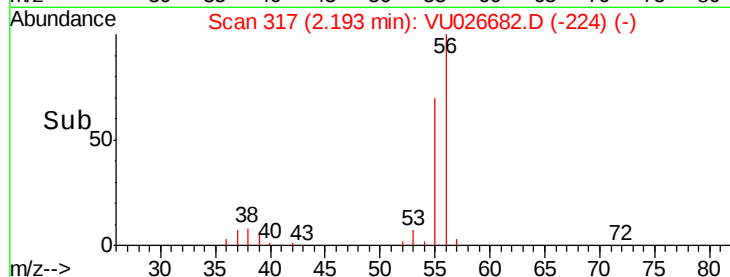
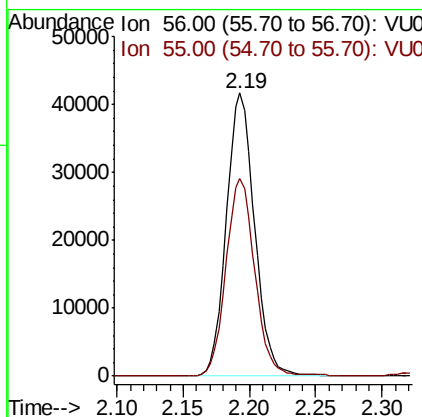
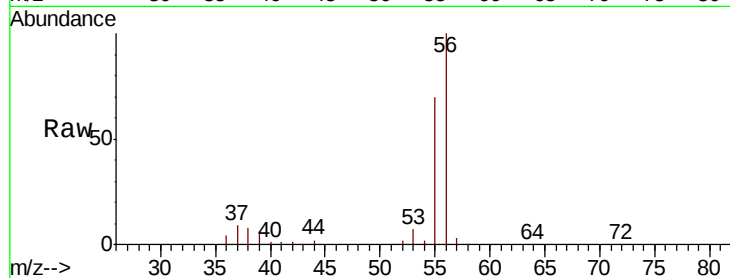
#13
Acrolein
Concen: 213.65 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion: 56 Resp: 61862
Ion Ratio Lower Upper
56 100
55 71.1 57.4 86.2

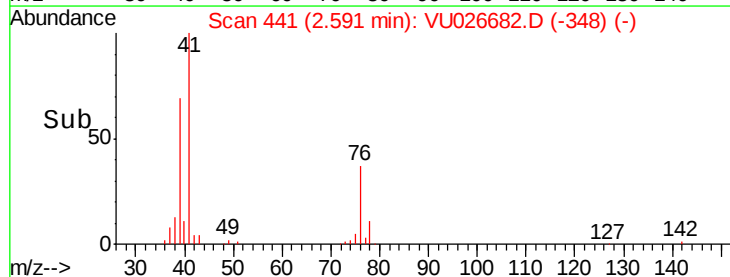
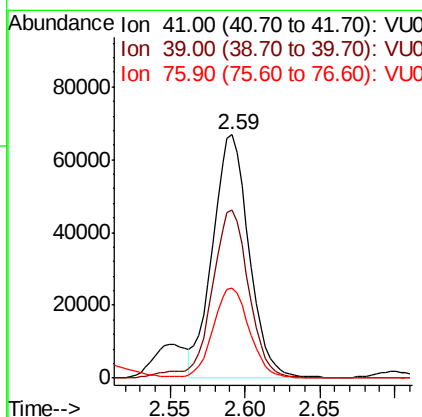
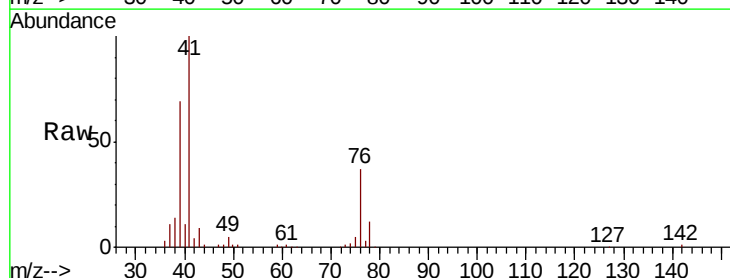
Manual Integrations
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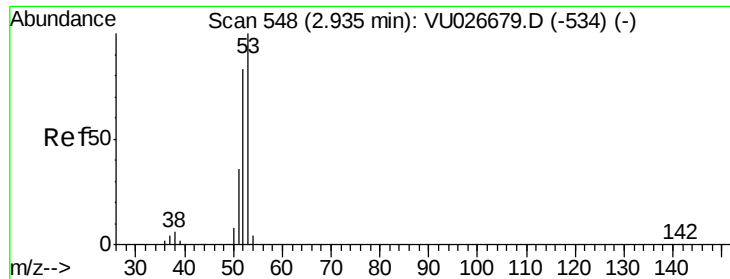
MMDadoda
9/13/2018 4:48:57 PM



#14
Allyl chloride
Concen: 46.94 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion: 41 Resp: 112773
Ion Ratio Lower Upper
41 100
39 71.0 56.9 85.3
76 37.2 29.7 44.5





#15

Acrylonitrile

Concen: 242.14 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

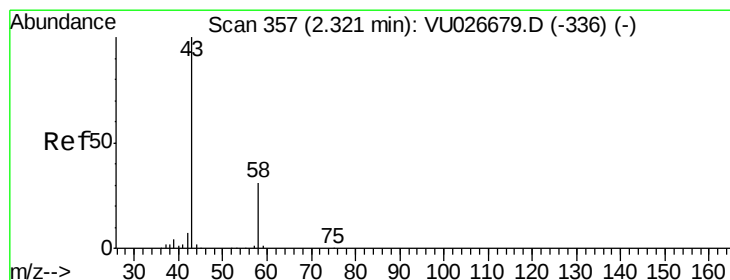
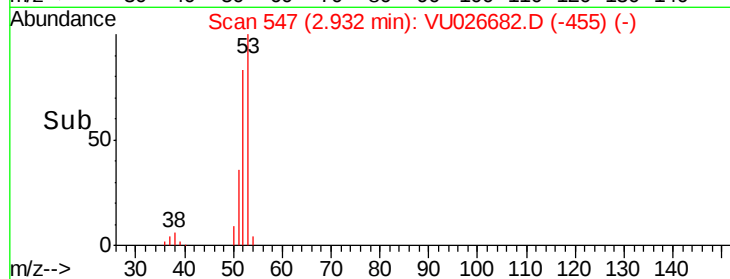
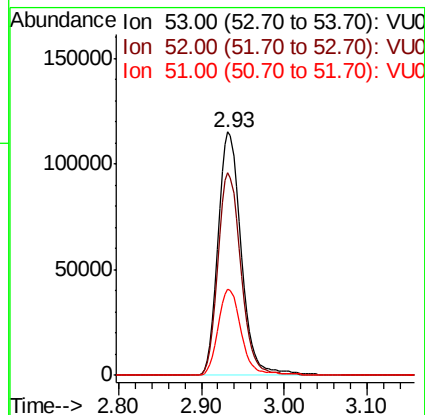
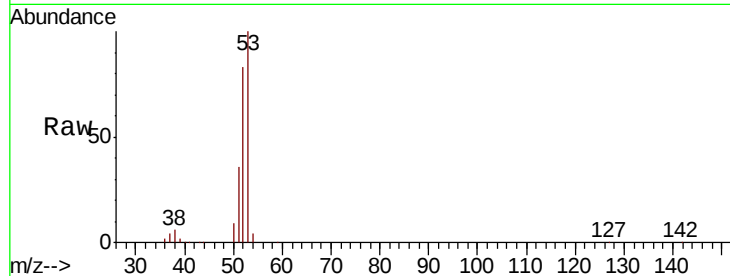
ClientSampleId :

ICVVU091218

Tot Ion:	53	Resp:	223119
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	35.7	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 234.20 ug/l

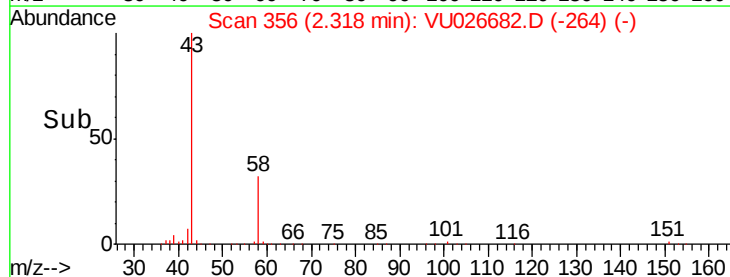
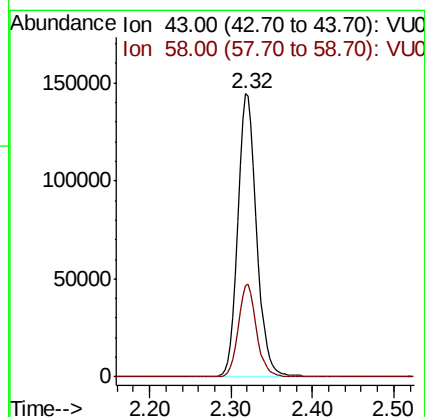
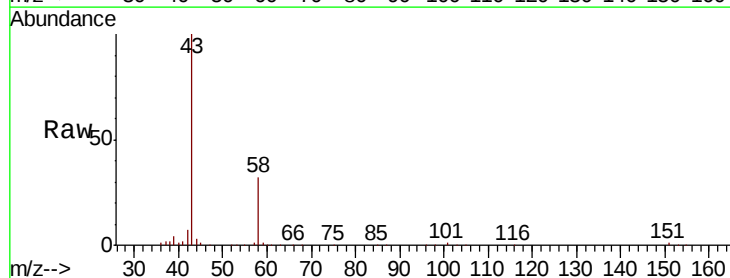
RT: 2.32 min Scan# 356

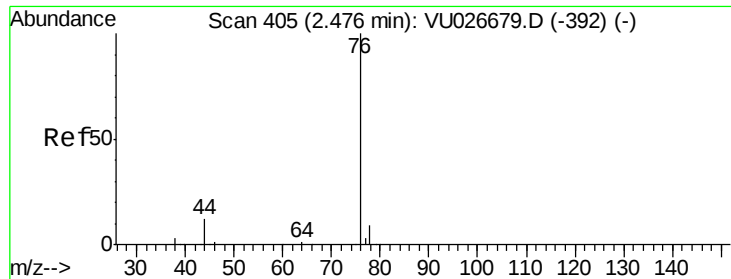
Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	43	Resp:	233736
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.1	37.7





#17

Carbon Disulfide

Concen: 47.97 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 76 Resp: 203625

Ion Ratio Lower Upper

76 100

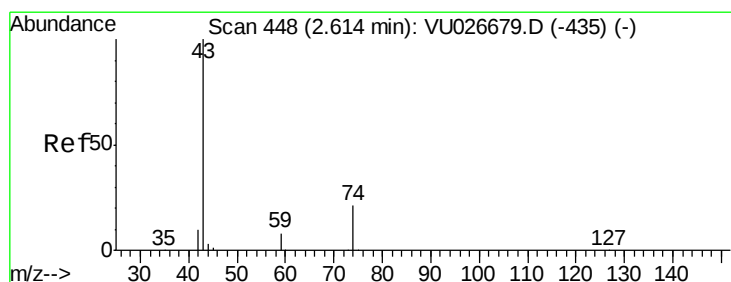
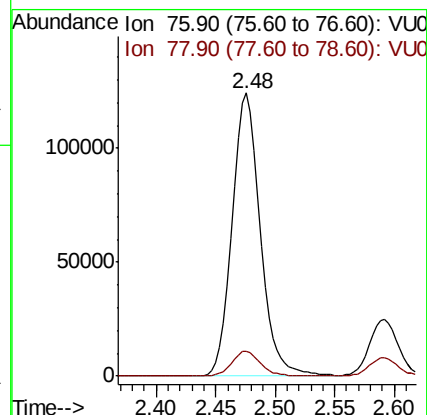
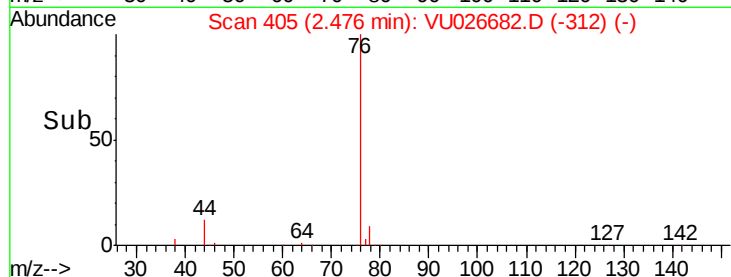
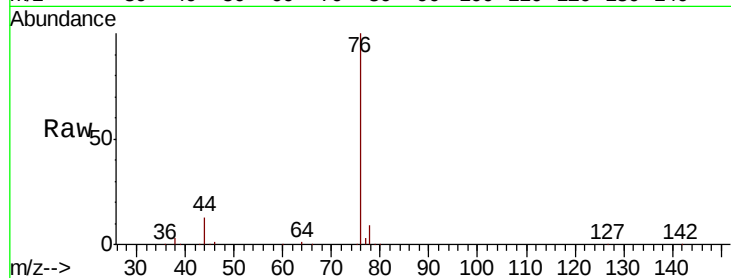
78 8.9 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 47.75 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU026682.D

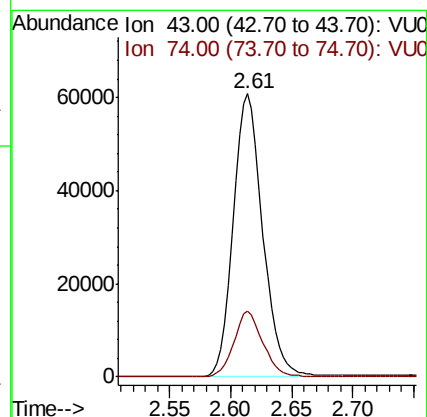
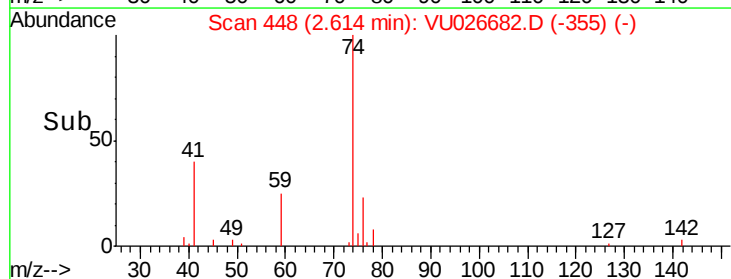
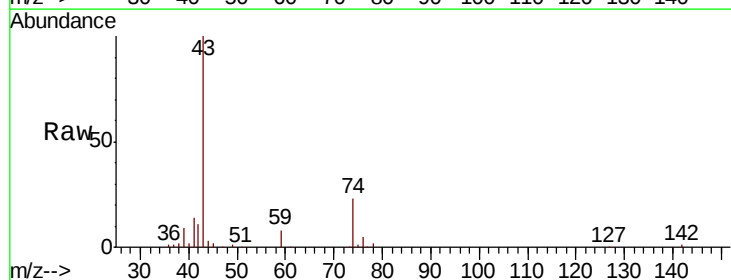
Acq: 11 Sep 2018 13:13

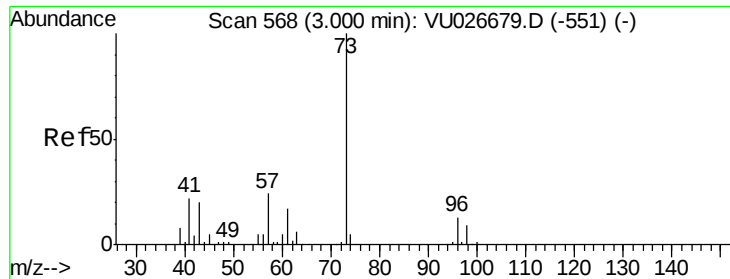
Tgt Ion: 43 Resp: 102828

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5





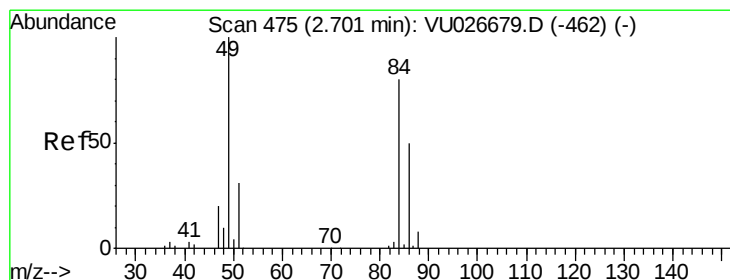
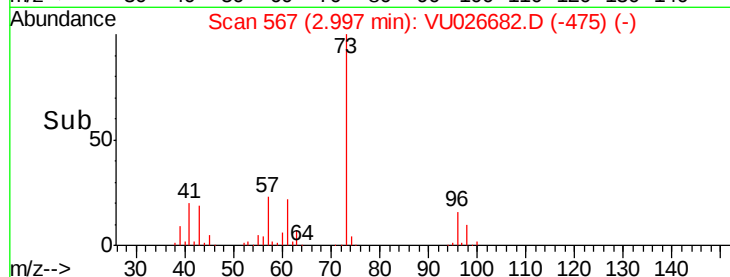
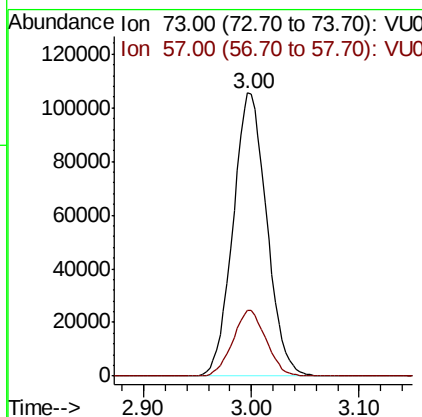
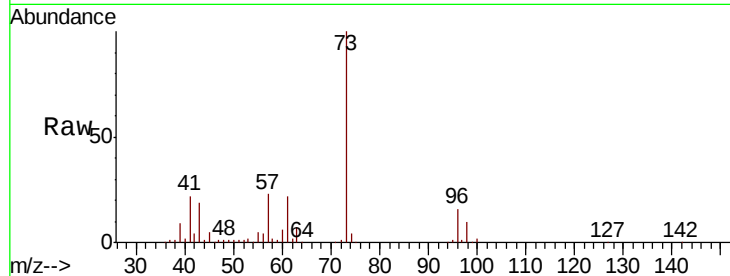
#19
Methyl tert-butyl Ether
Concen: 49.99 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.9	28.3

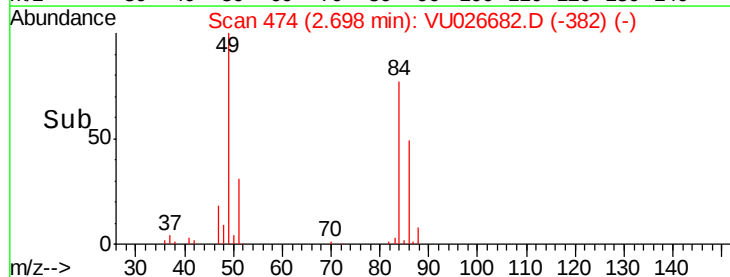
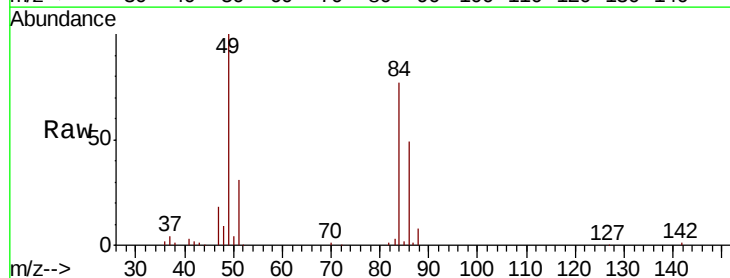
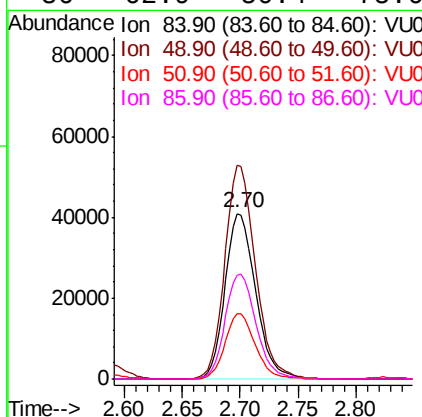
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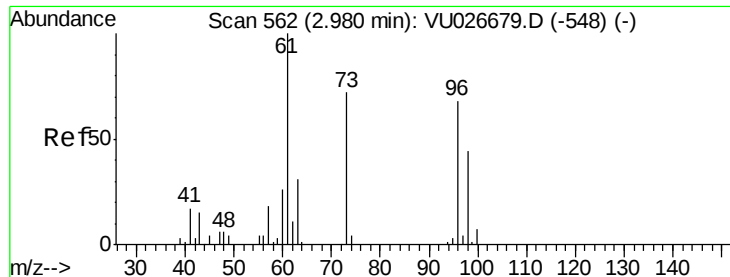
MMDadoda
9/13/2018 4:48:57 PM



#20
Methylene Chloride
Concen: 46.44 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.3	100.6	151.0
51	39.4	30.9	46.3
86	62.9	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 49.18 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampled :

ICVVU091218

Tot Ion: 96 Resp: 69119

Ion Ratio Lower Upper

96 100

61 147.3 117.7 176.5

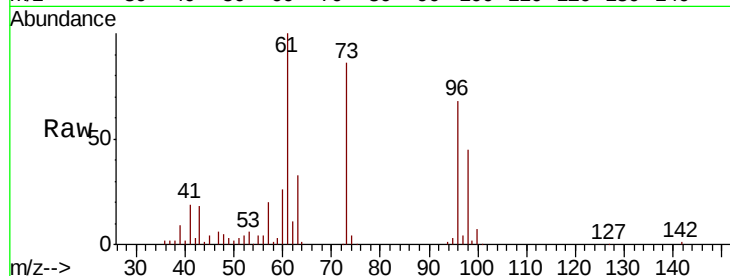
98 66.8 52.0 78.0

Manual Integrations

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MMDadoda

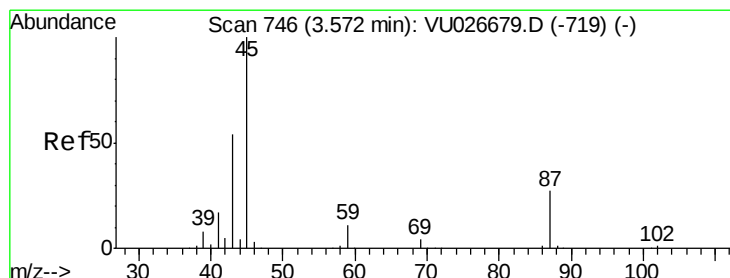
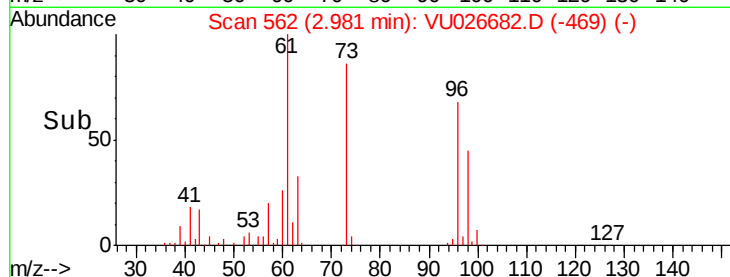
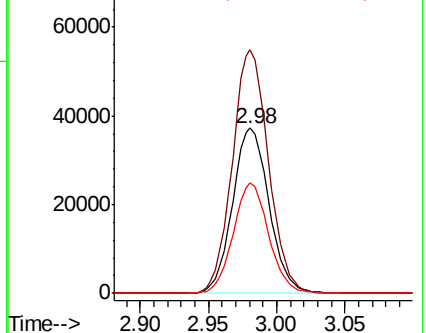
9/13/2018 4:48:57 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026679.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU026679.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU026679.D (-548) (-)



#22

Diisopropyl ether

Concen: 50.02 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion: 45 Resp: 250830

Ion Ratio Lower Upper

45 100

43 57.5 44.6 67.0

87 25.9 21.4 32.0

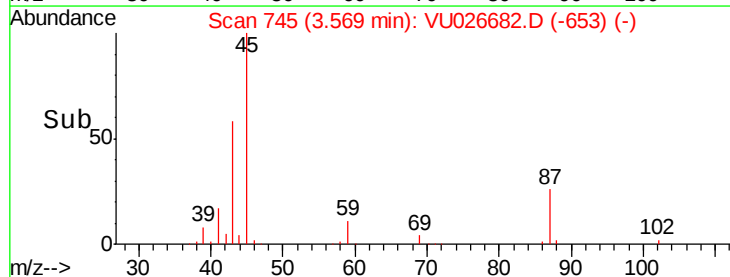
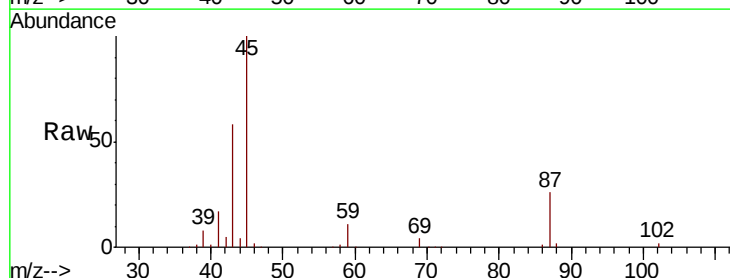
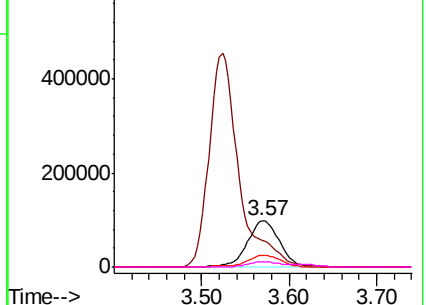
59 11.0 9.0 13.4

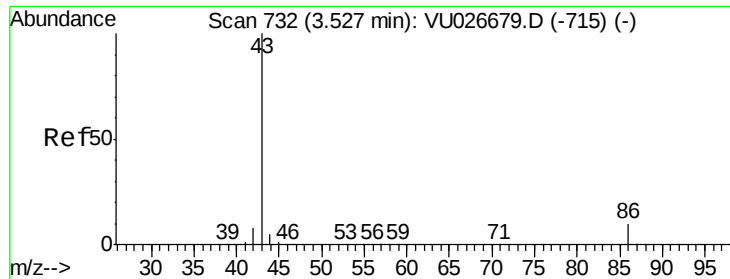
Abundance Ion 45.00 (44.70 to 45.70): VU026679.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU026679.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU026679.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU026679.D (-719) (-)





#23

Vinyl Acetate

Concen: 253.15 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tot Ion: 43 Resp: 1078340

Ion Ratio Lower Upper

43 100

86 10.1 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

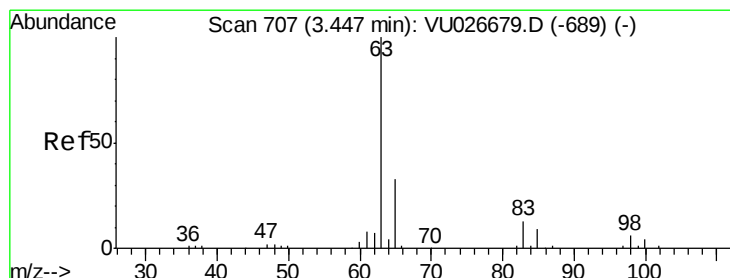
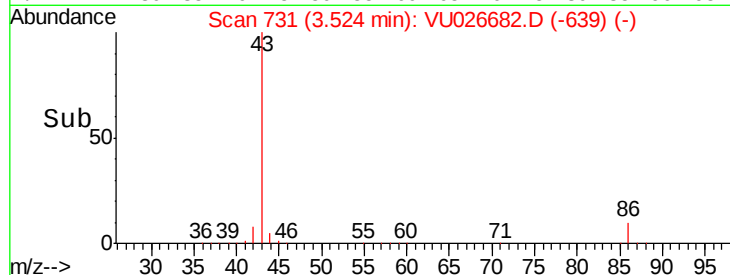
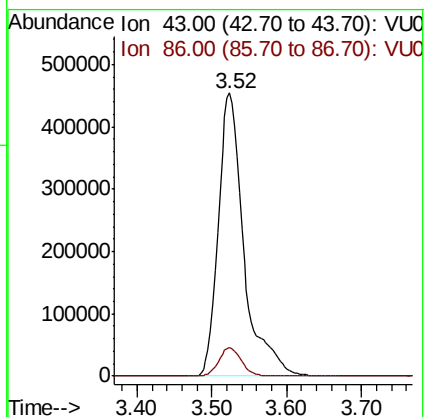
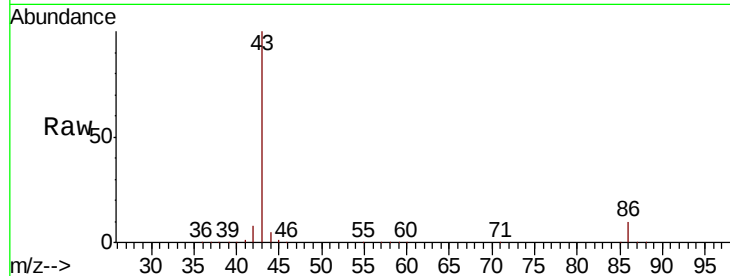
ICVVU091218

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#24

1,1-Dichloroethane

Concen: 48.47 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

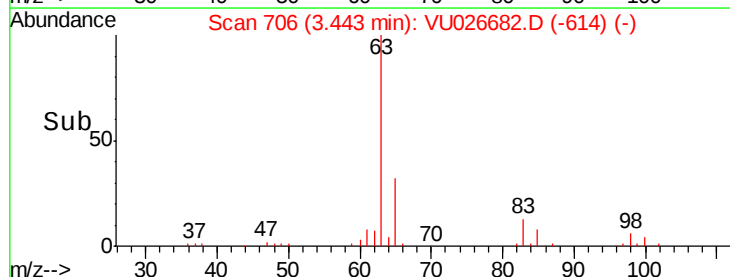
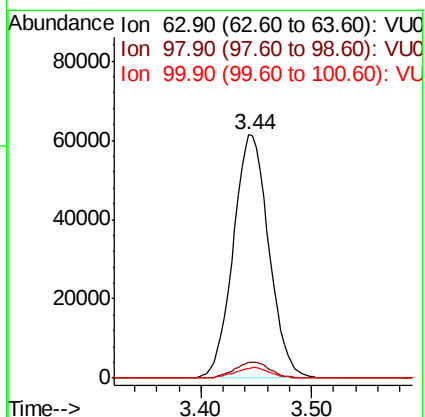
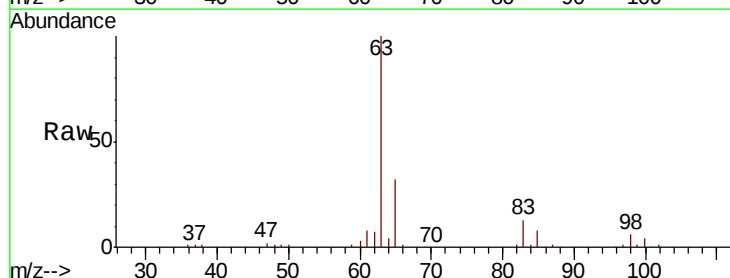
Tgt Ion: 63 Resp: 137104

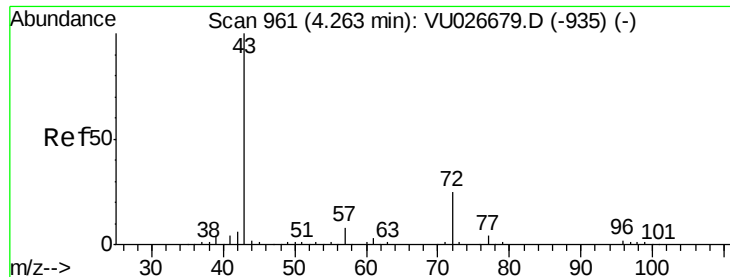
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 241.33 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 43 Resp: 324435

Ion Ratio Lower Upper

43 100

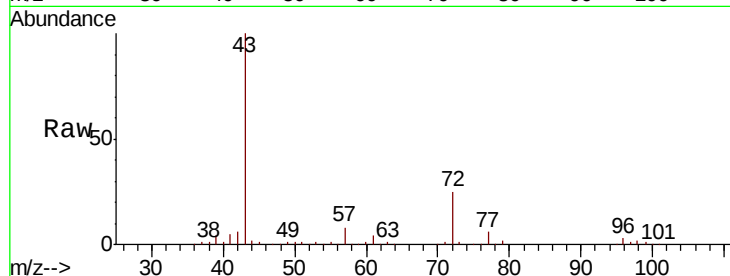
72 24.9 20.3 30.5

Manual Integrations

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MMDadoda

9/13/2018 4:48:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-935) (-)

Ion 72.00 (71.70 to 72.70): VU026679.D (-935) (-)

4.26

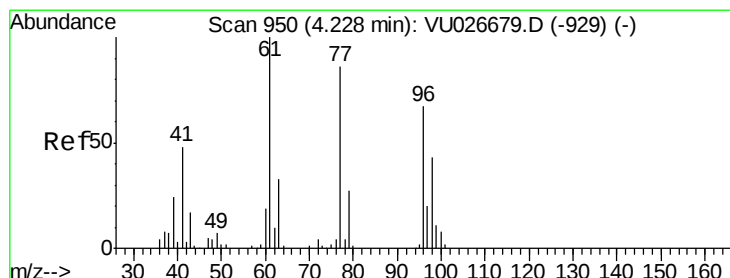
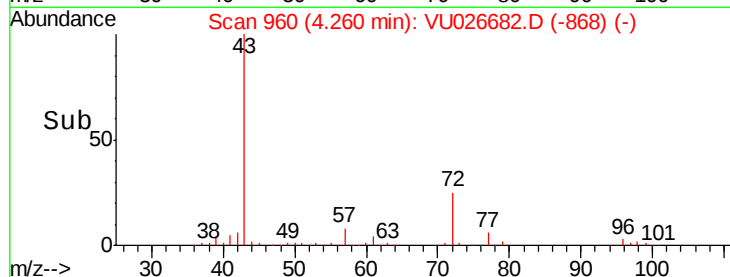
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 50.45 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026682.D

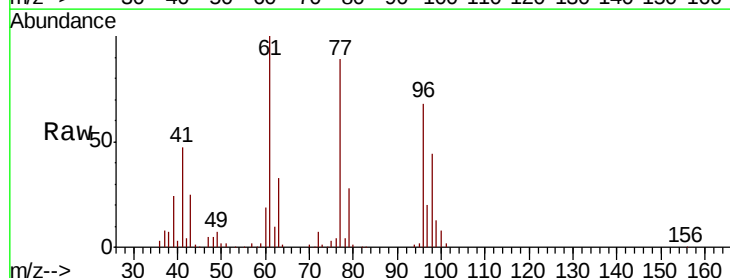
Acq: 11 Sep 2018 13:13

Tgt Ion: 77 Resp: 117312

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU026679.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU026679.D (-929) (-)

4.23

50000

40000

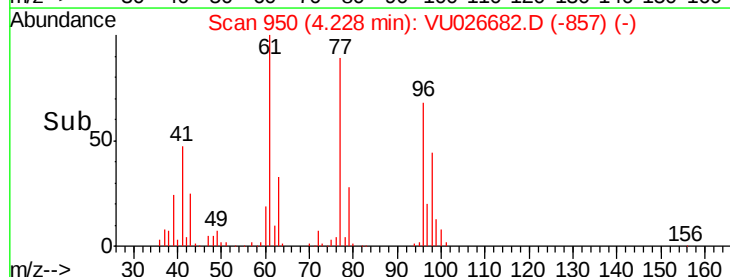
30000

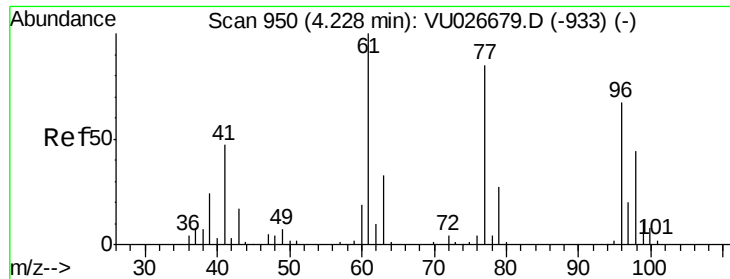
20000

10000

0

Time--> 4.10 4.20 4.30





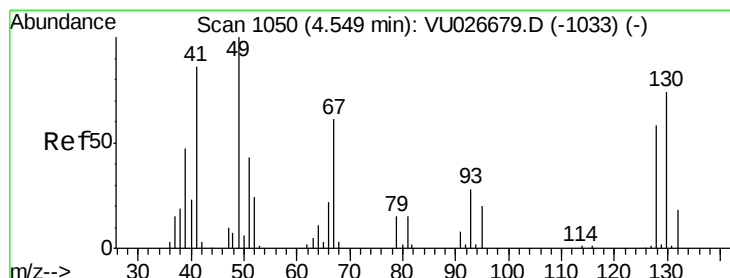
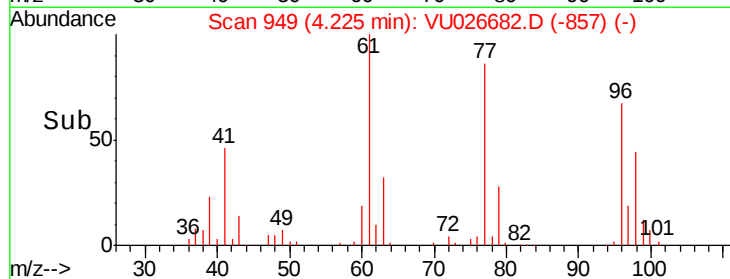
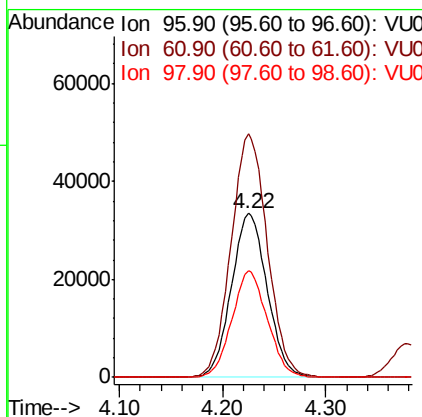
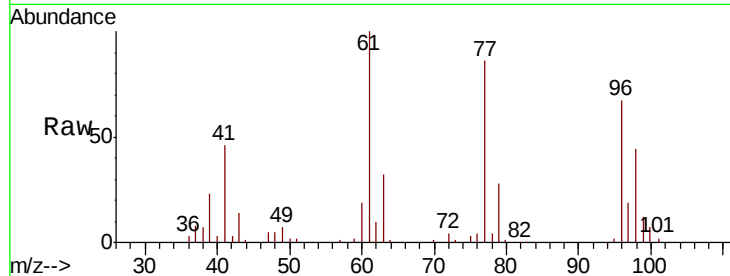
#27
 cis-1,2-Dichloroethene
 Concen: 49.85 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Resp	Lower	Upper
96	100	80739		
61	150.5		0.0	301.8
98	64.2		0.0	127.2

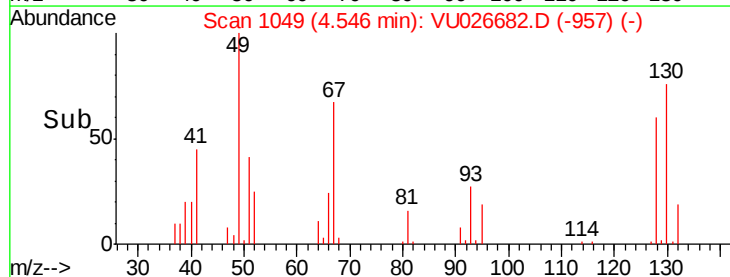
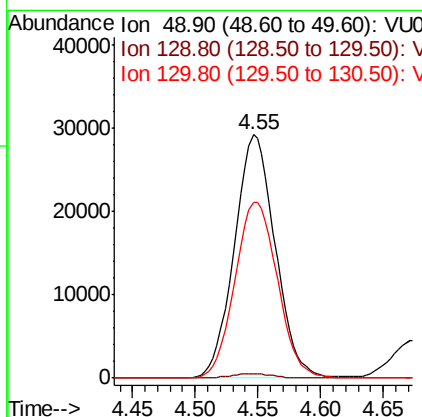
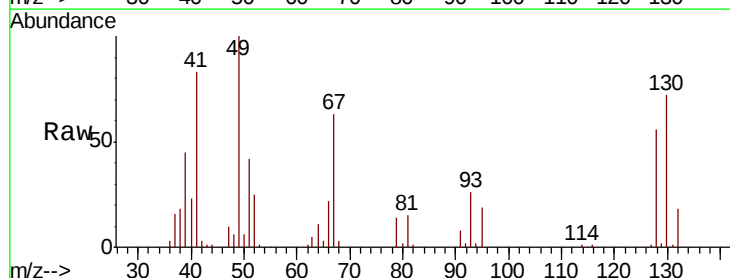
Manual Integrations
 APPROVED

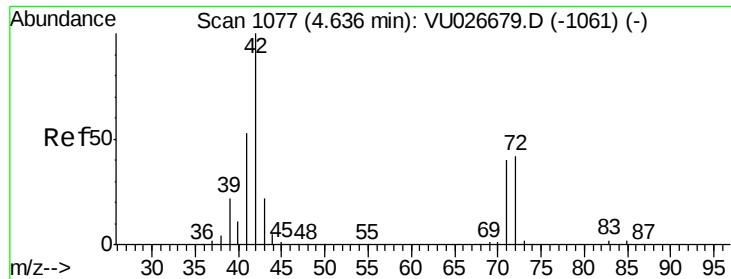
MMDadoda
 9/13/2018 4:48:57 PM



#28
 Bromochloromethane
 Concen: 48.89 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66135		
129	1.8		0.0	3.8
130	75.3		59.8	89.6





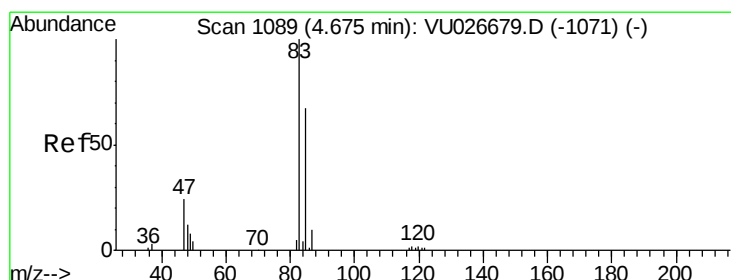
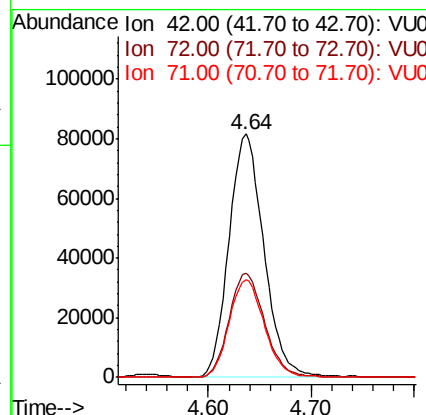
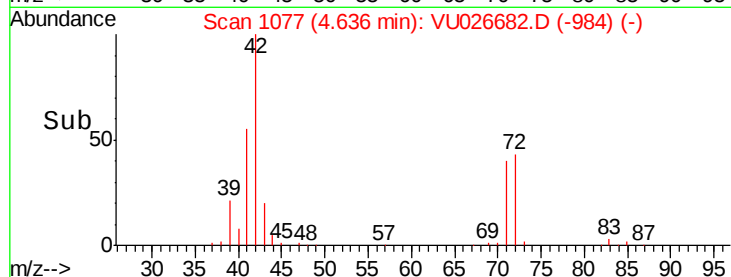
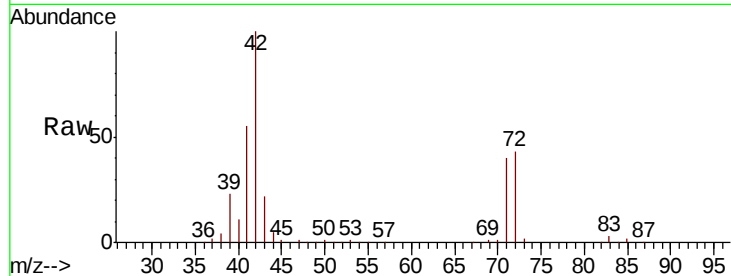
#29
Tetrahydrofuran
Concen: 236.15 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampled :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.4	51.6
71	40.8	32.4	48.6

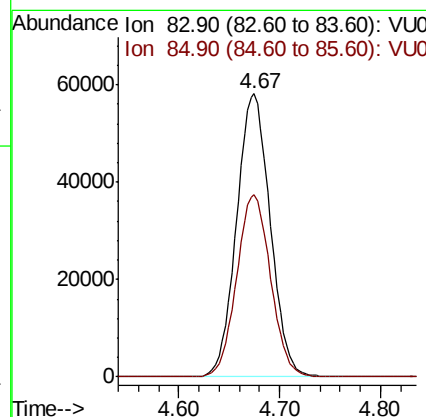
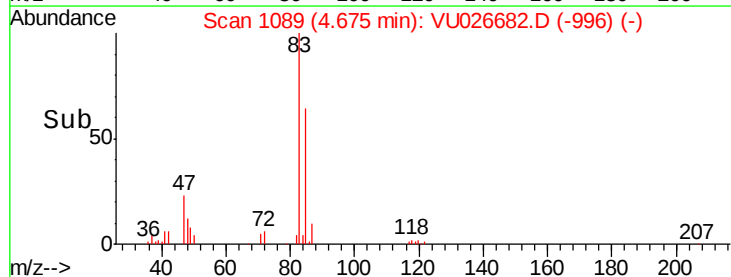
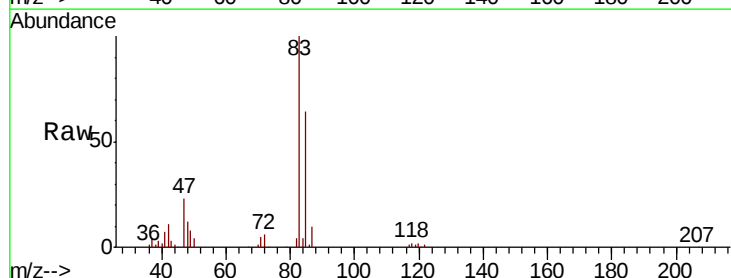
Manual Integrations
APPROVED

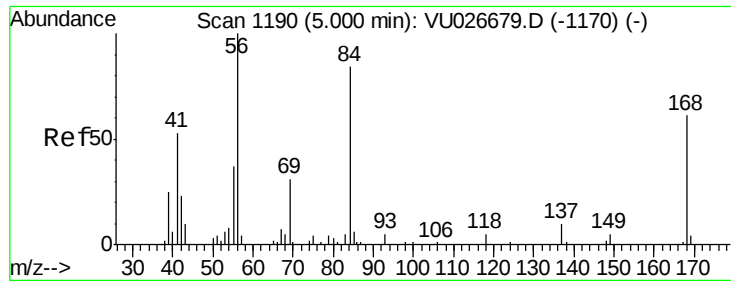
MMDadoda
9/13/2018 4:48:57 PM



#30
Chloroform
Concen: 48.40 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.3	79.9





#31

Cyclohexane

Concen: 49.28 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

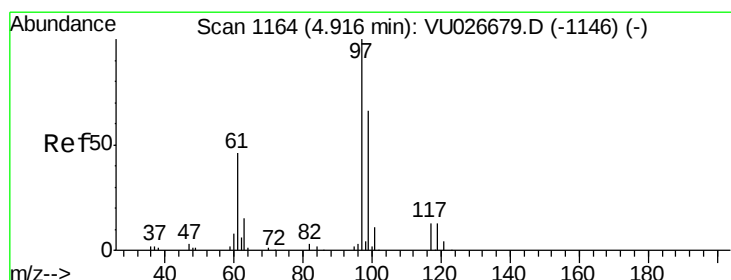
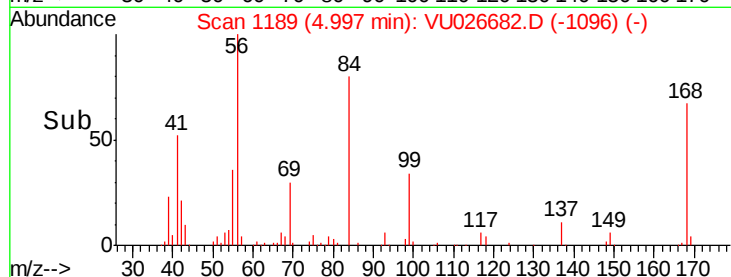
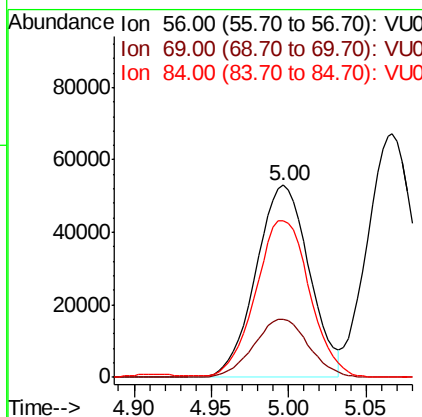
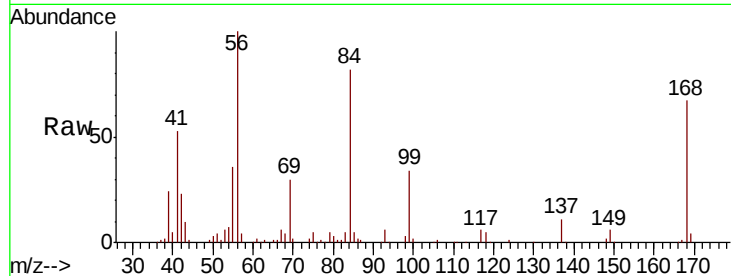
ClientSampleId :

ICVVU091218

Tot Ion:	56	Resp:	127339
Ion Ratio	Lower	Upper	
56	100		
69	30.4	24.9	37.3
84	81.1	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.78 ug/l

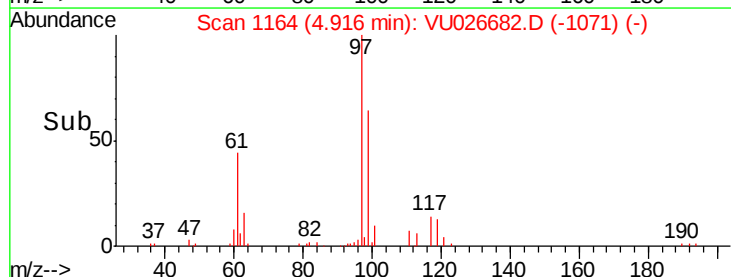
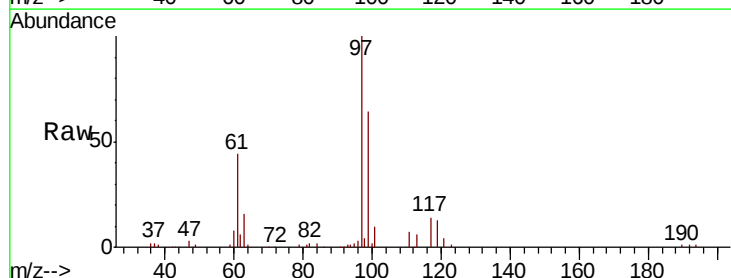
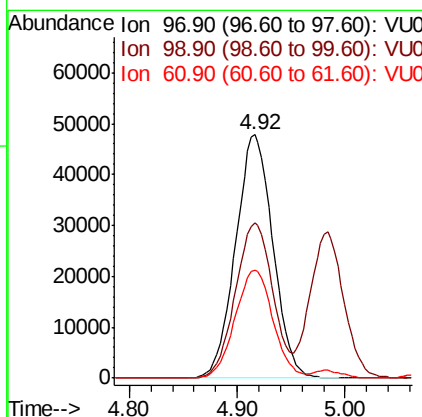
RT: 4.92 min Scan# 1164

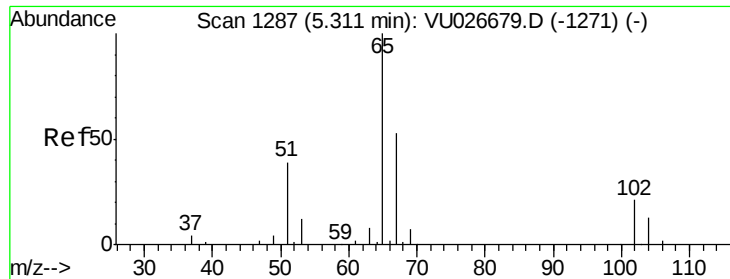
Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	97	Resp:	114653
Ion Ratio	Lower	Upper	
97	100		
99	64.2	52.2	78.2
61	45.2	36.8	55.2





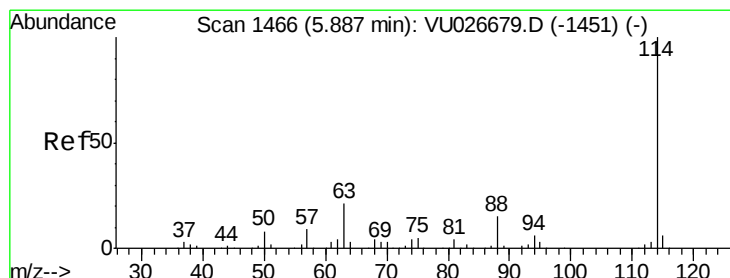
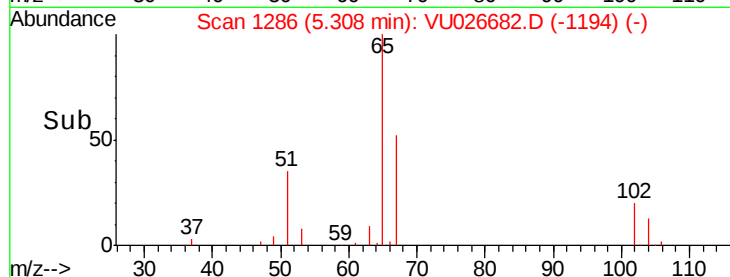
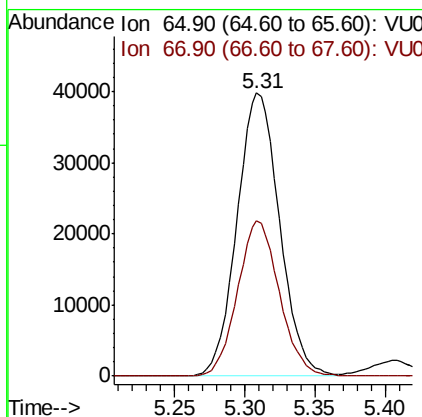
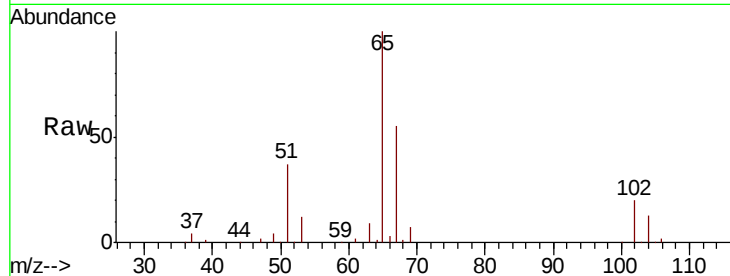
#33
 1,2-Dichloroethane-d4
 Concen: 47.73 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.4

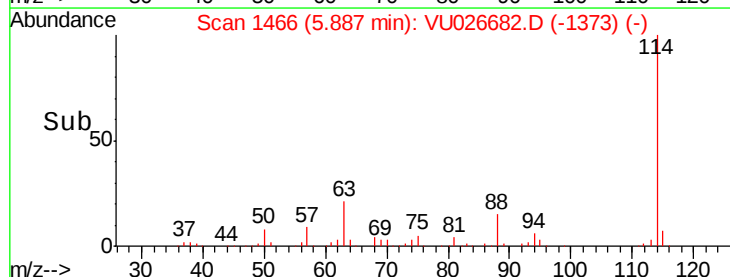
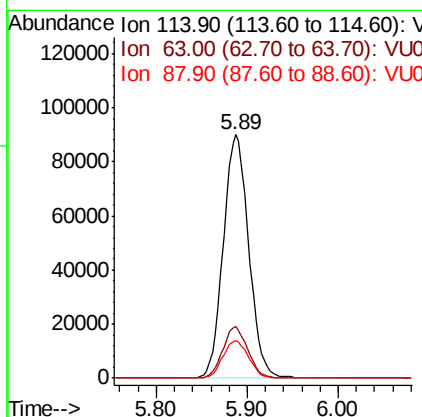
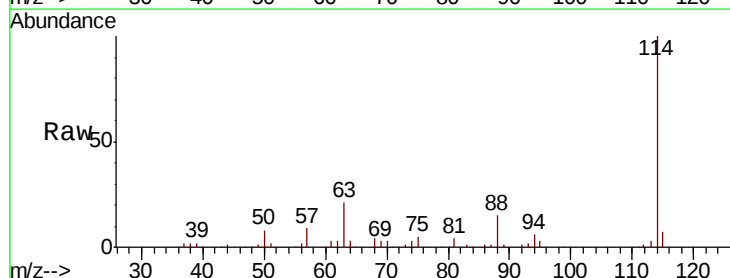
Manual Integrations
 APPROVED

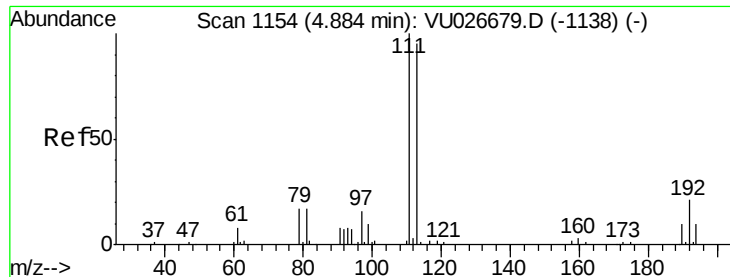
MMDadoda
 9/13/2018 4:48:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.4
88	15.3	0.0	30.8





#35

Dibromofluoromethane

Concen: 48.40 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

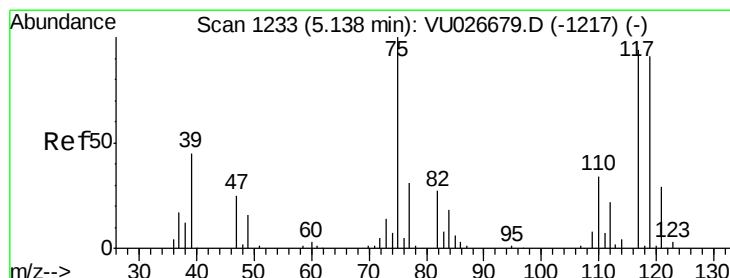
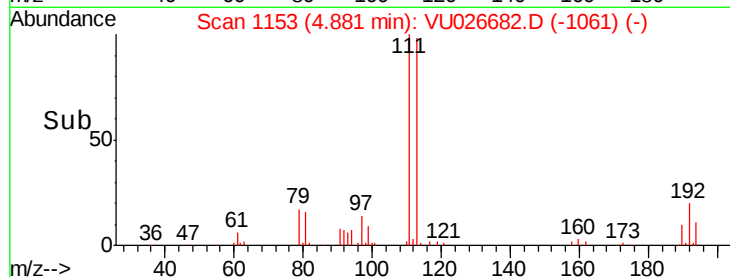
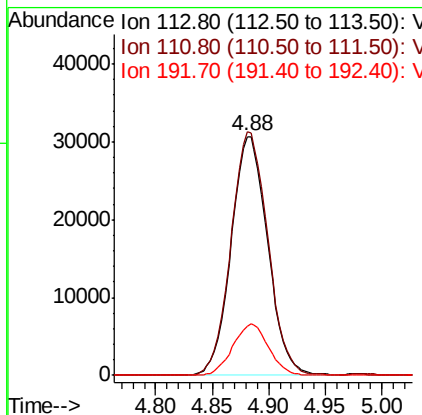
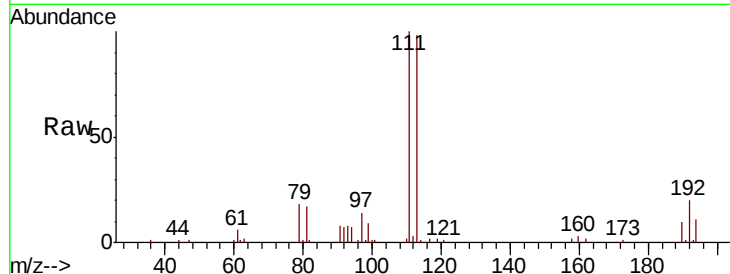
ClientSampleId :

ICVVU091218

Tot Ion:	113	Resp:	68960
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.1	124.7
192	21.1	17.4	26.2

Manual Integrations
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9/13/2018 4:48:57 PM



#36

1,1-Dichloropropene

Concen: 52.08 ug/l

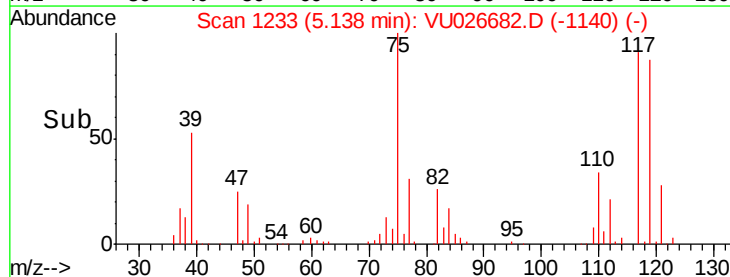
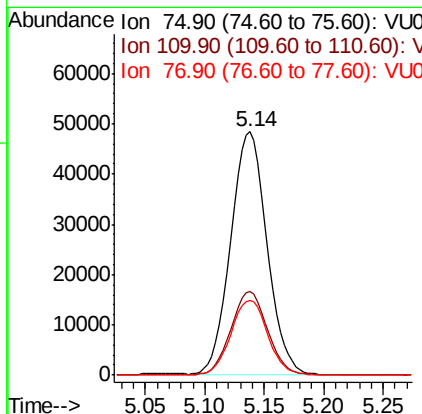
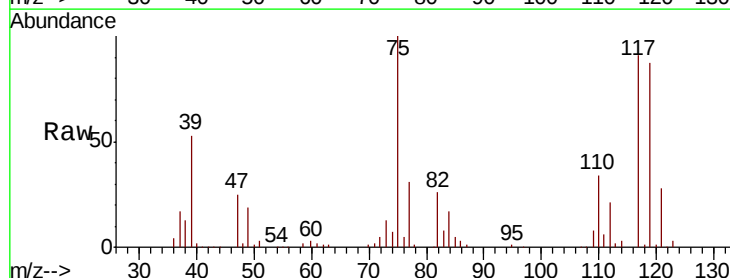
RT: 5.14 min Scan# 1233

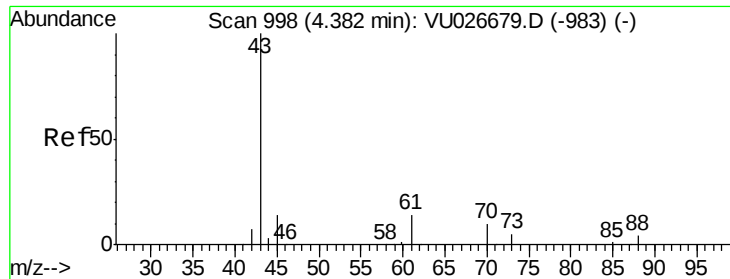
Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	75	Resp:	102120
Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.3	51.9
77	31.2	24.9	37.3





#37

Ethyl Acetate

Concen: 48.48 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

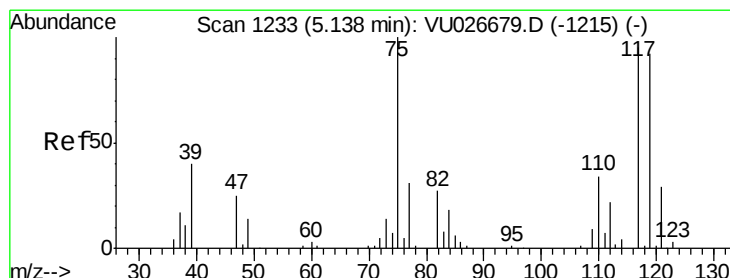
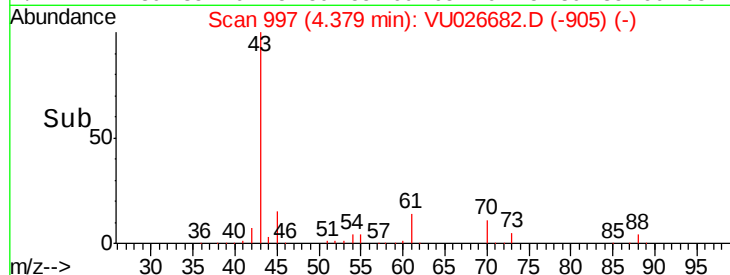
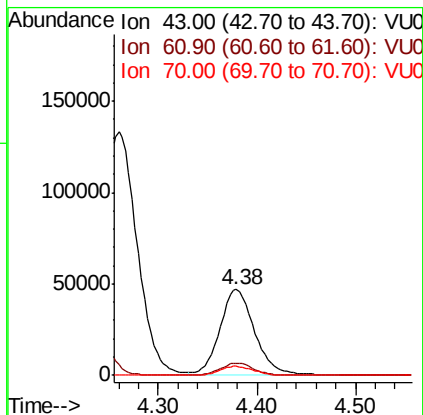
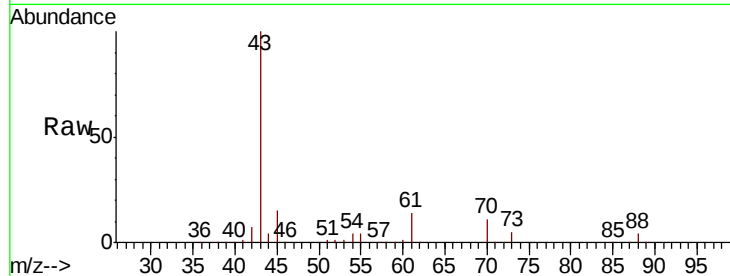
ClientSampleId :

ICVVU091218

Tot Ion:	43	Resp:	114313
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.1	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.77 ug/l

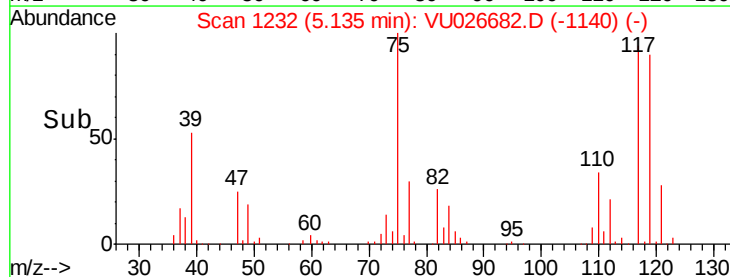
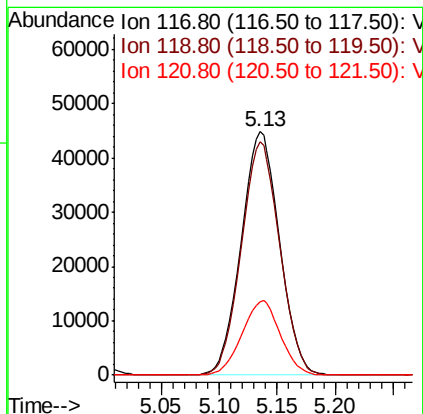
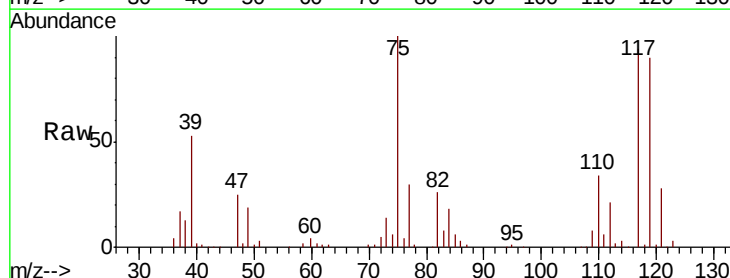
RT: 5.13 min Scan# 1232

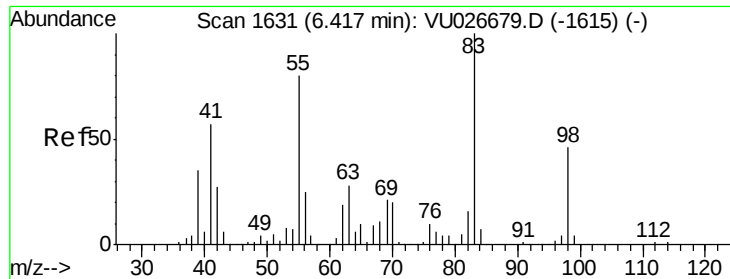
Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	117	Resp:	103106
Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.8	116.8
121	29.9	25.0	37.4





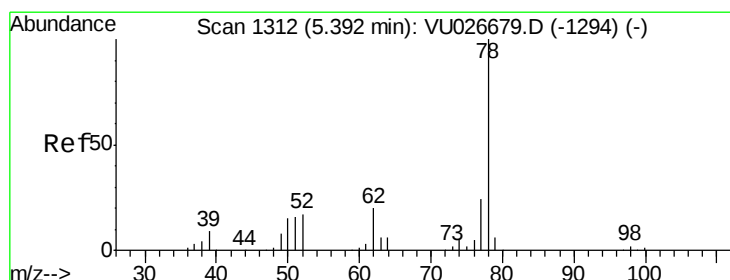
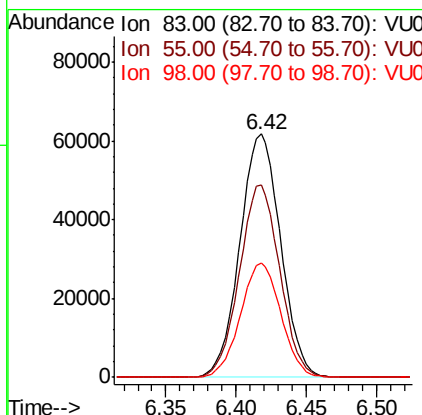
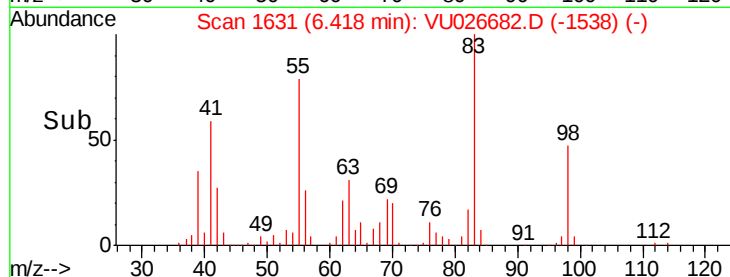
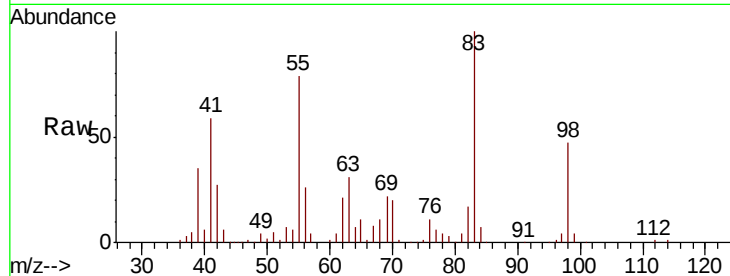
#39
Methvlcvclohexane
Concen: 53.63 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	63.8	95.6
98	46.9	37.2	55.8

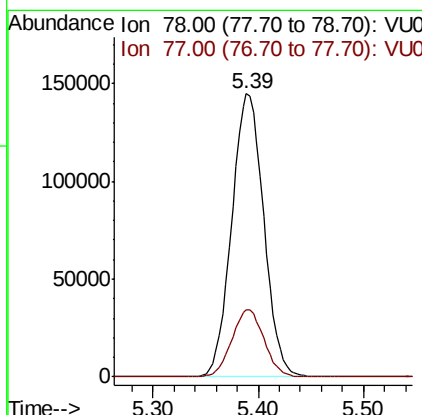
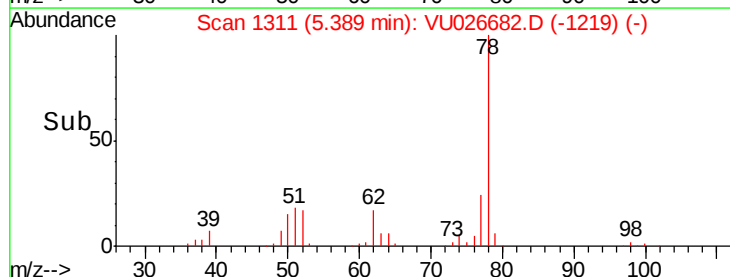
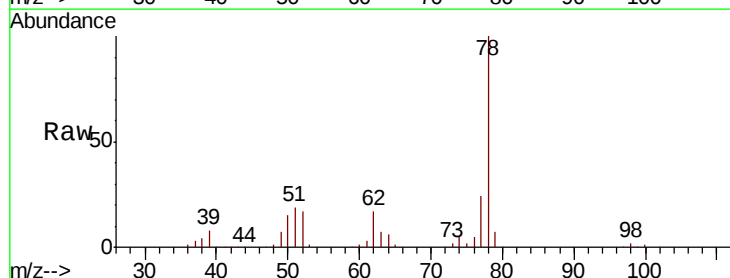
Manual Integrations
APPROVED

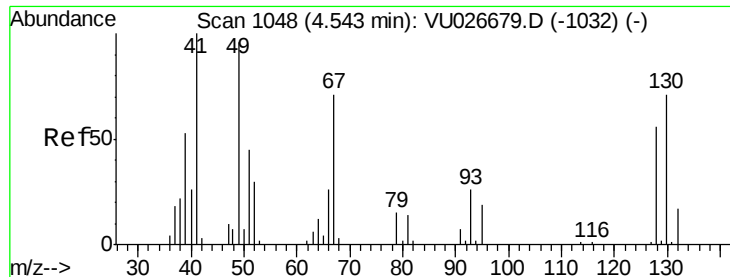
MMDadoda
9/13/2018 4:48:57 PM



#40
Benzene
Concen: 50.08 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





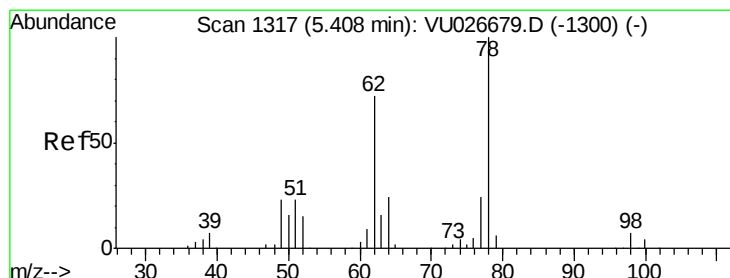
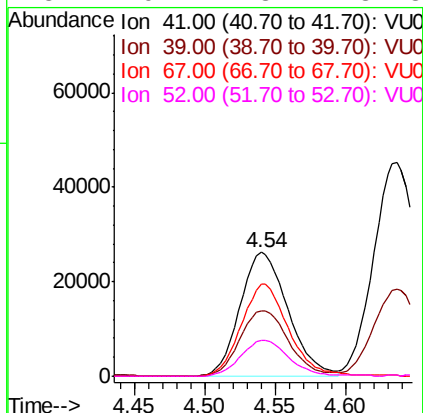
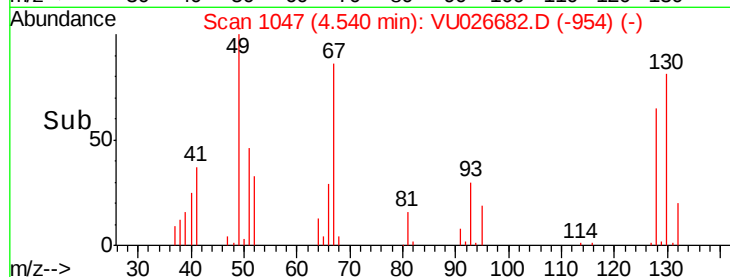
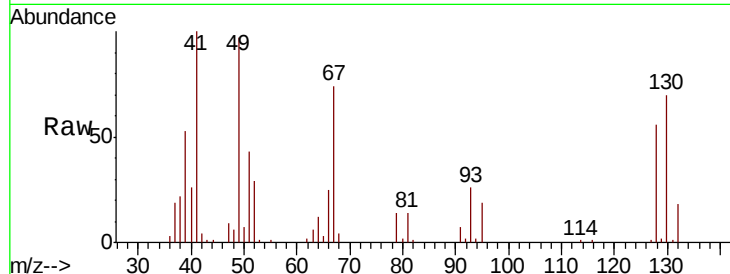
#41
Methacrylonitrile
Concen: 47.01 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.9	64.3	
67	73.4	56.6	84.8	
52	29.4	23.2	34.8	

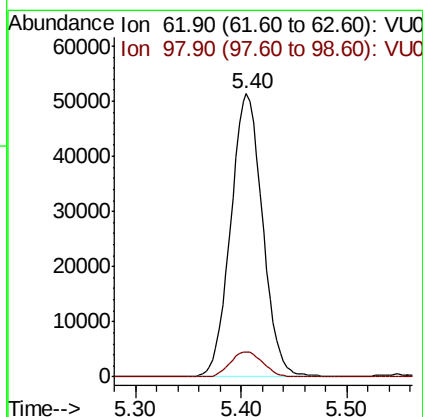
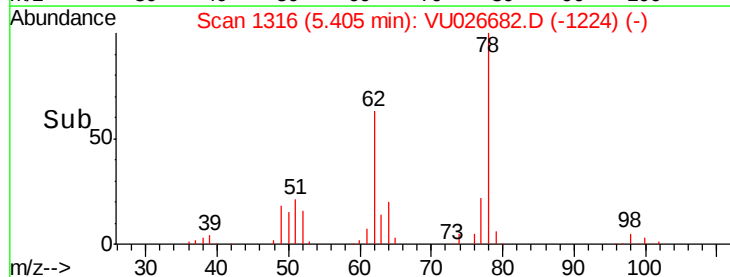
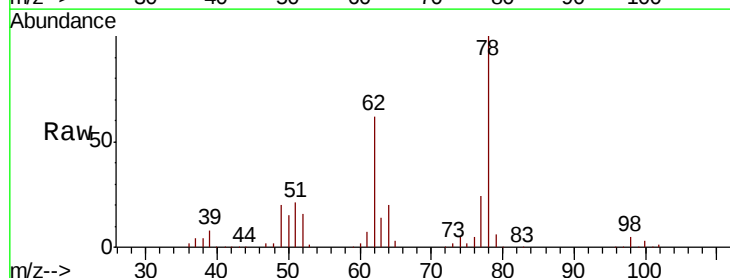
Manual Integrations
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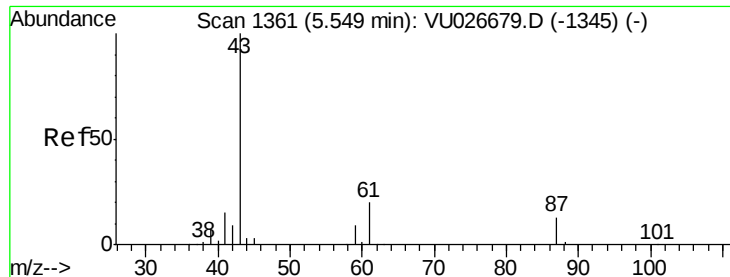
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.52 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 50.78 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

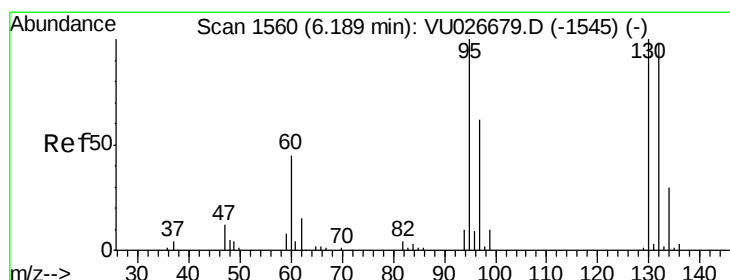
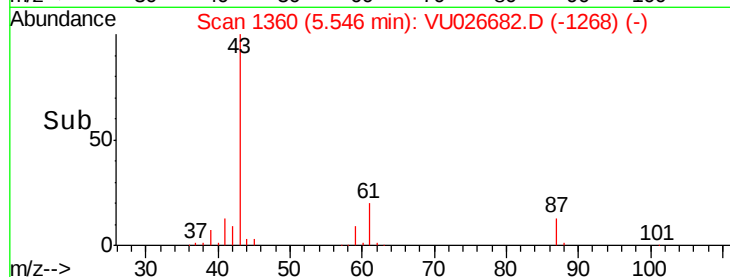
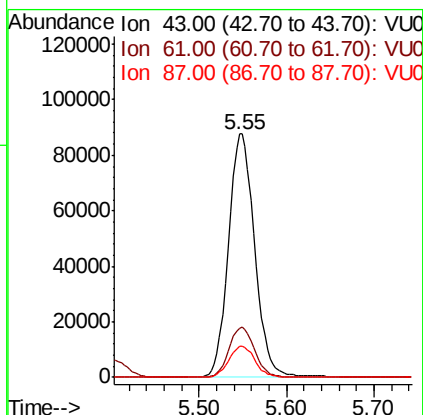
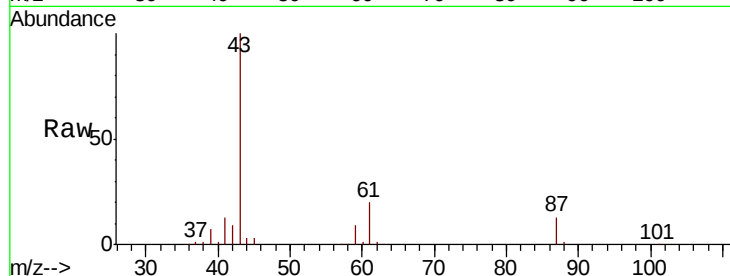
ClientSampleId :

ICVVU091218

Tot Ion:	43	Resp:	182317
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.0	24.0
87	12.8	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 51.09 ug/l

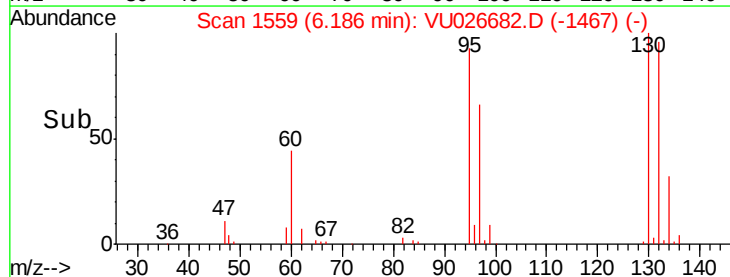
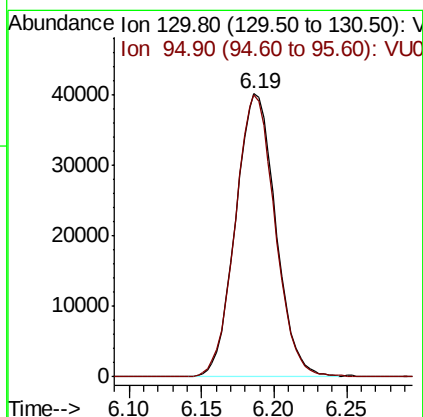
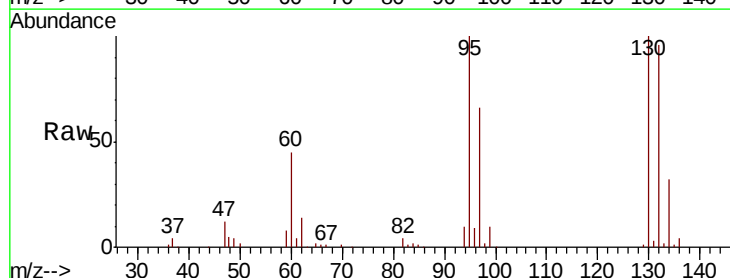
RT: 6.19 min Scan# 1559

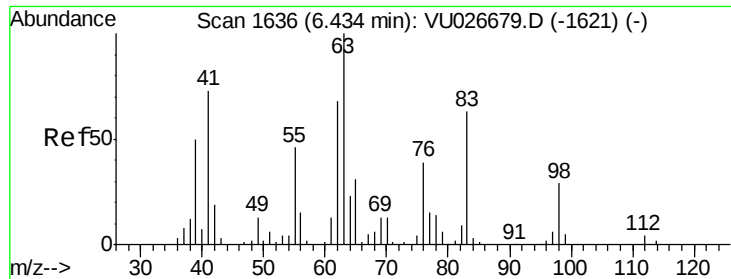
Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	130	Resp:	77008
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	199.4





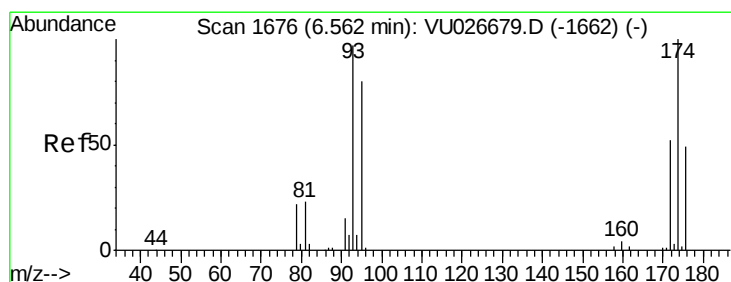
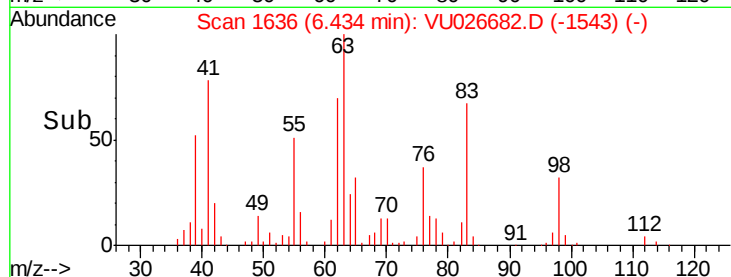
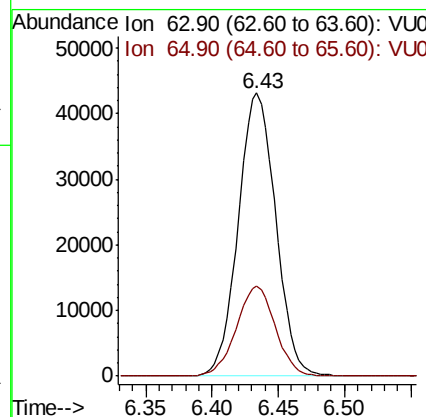
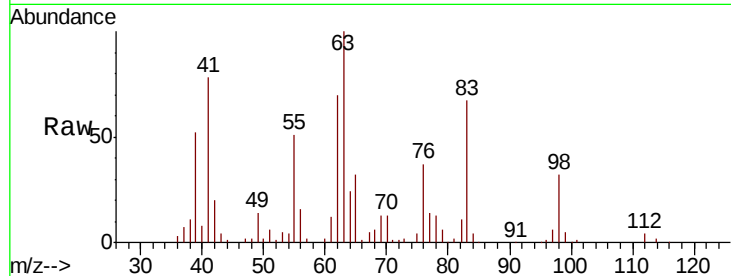
#45
 1,2-Dichloropropane
 Concen: 51.15 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion: 63 Resp: 84677
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.4

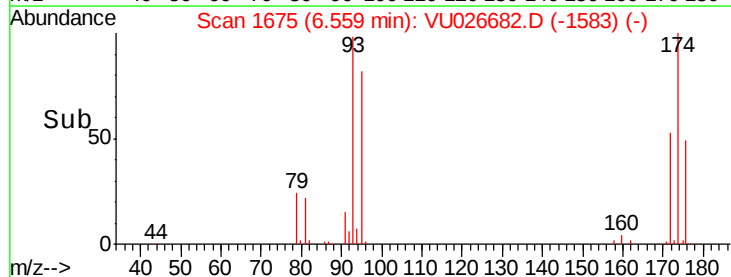
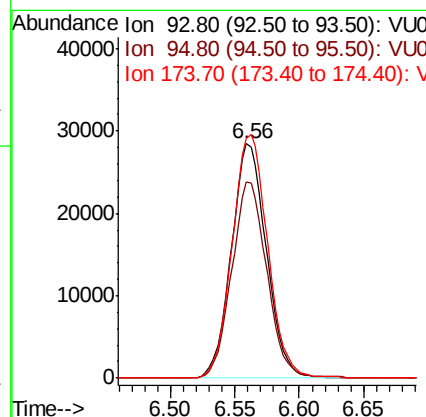
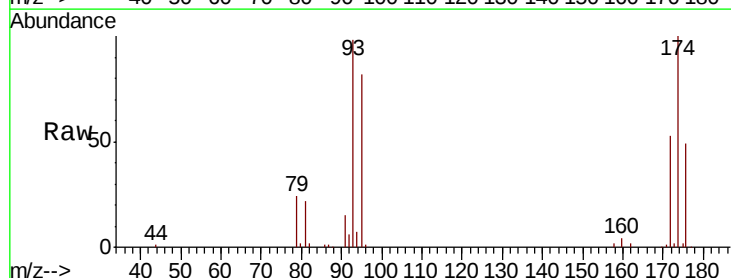
Manual Integrations
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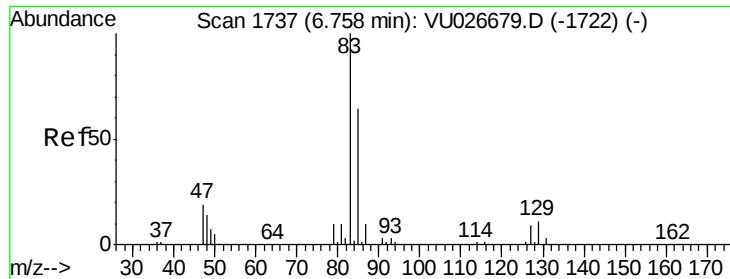
MMDadoda
 9/13/2018 4:48:57 PM



#46
 Dibromomethane
 Concen: 50.17 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion: 93 Resp: 53597
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.4 98.2
 174 105.4 81.6 122.4





#47

Bromodichloromethane

Concen: 50.30 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

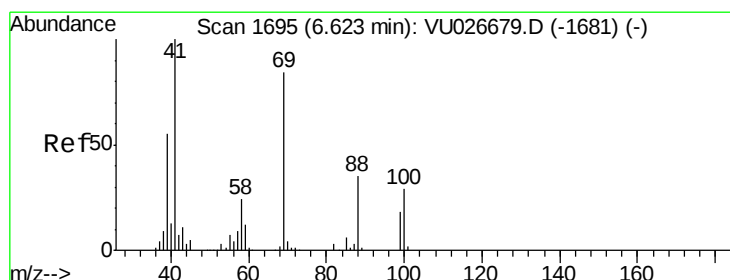
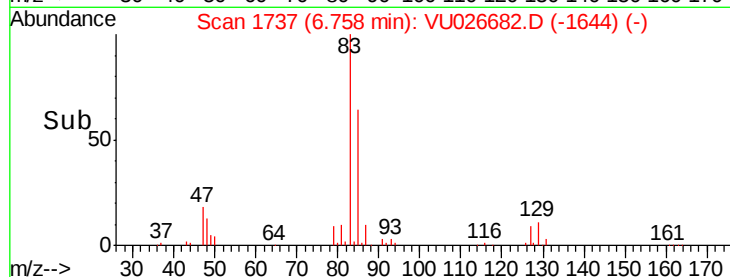
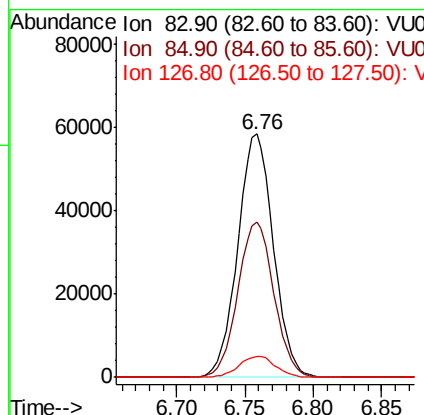
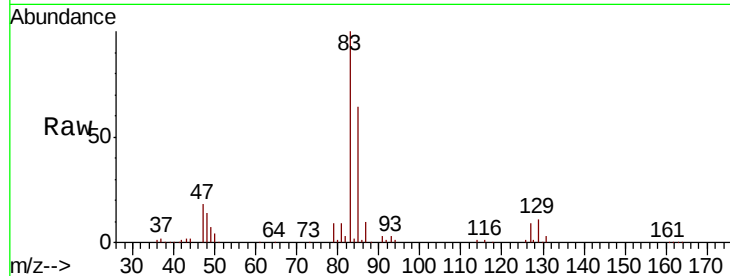
ClientSampleId :

ICVVU091218

Tot Ion:	83	Resp:	105818
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.1	76.7
127	8.5	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.31 ug/l

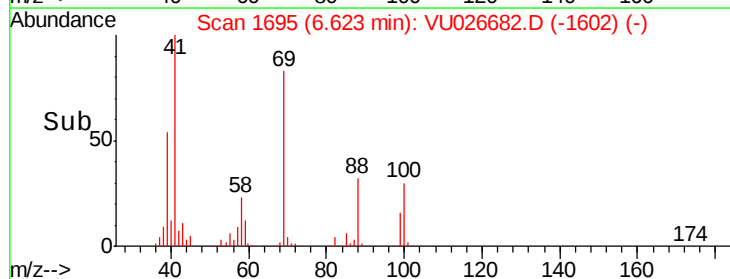
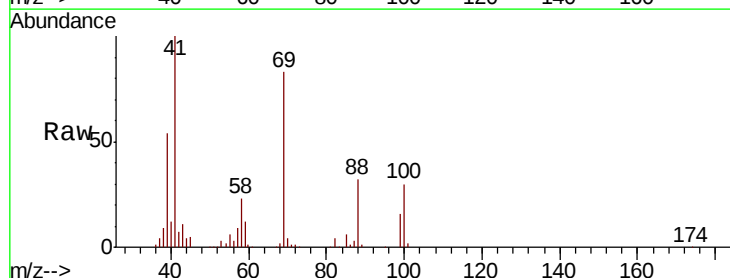
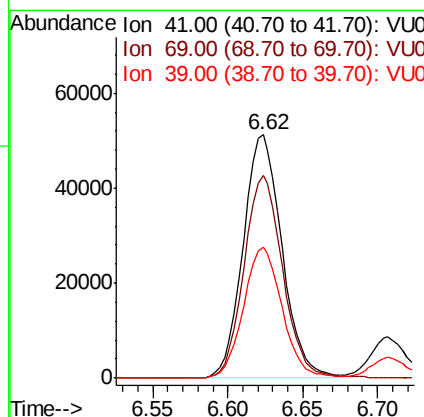
RT: 6.62 min Scan# 1695

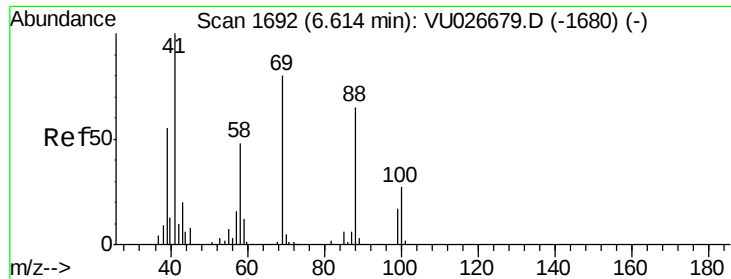
Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	41	Resp:	92738
Ion Ratio	Lower	Upper	
41	100		
69	83.0	66.6	99.8
39	53.5	43.6	65.4





#49

1,4-Dioxane

Concen: 976.73 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

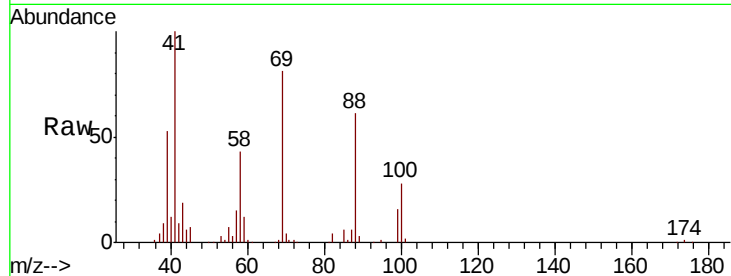
ClientSampleId :

ICVVU091218

Tot Ion:	88	Resp:	43910
Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.5	38.3
58	72.0	58.2	87.4

Manual Integrations
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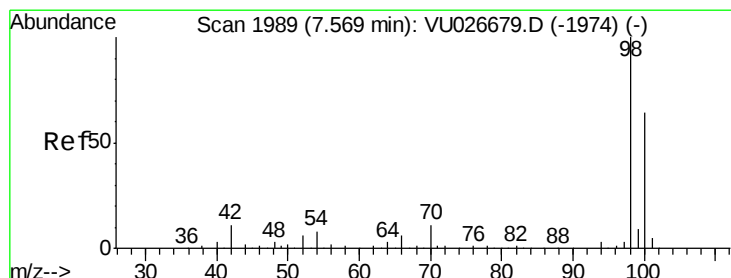
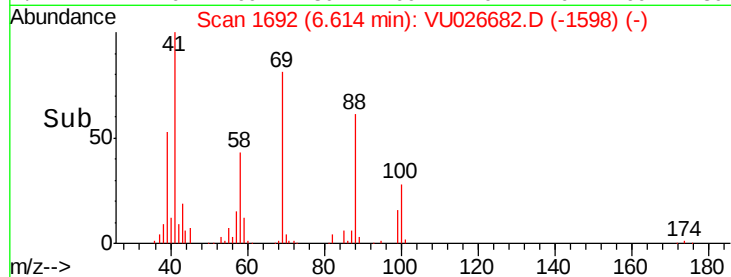
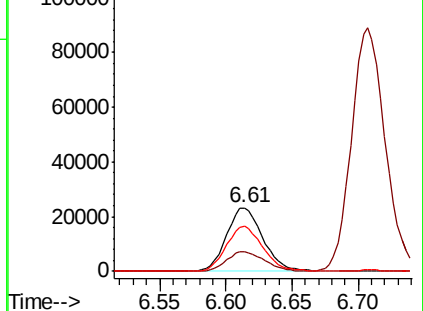
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VU026679.D (-1680) (-)

Ion 43.00 (42.70 to 43.70): VU026679.D (-1680) (-)

Ion 58.00 (57.70 to 58.70): VU026679.D (-1680) (-)



#50

Toluene-d8

Concen: 49.34 ug/l

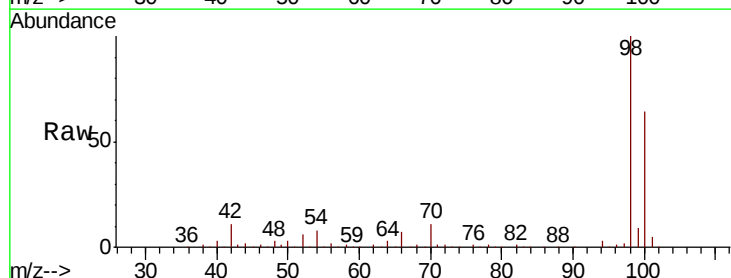
RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU026682.D

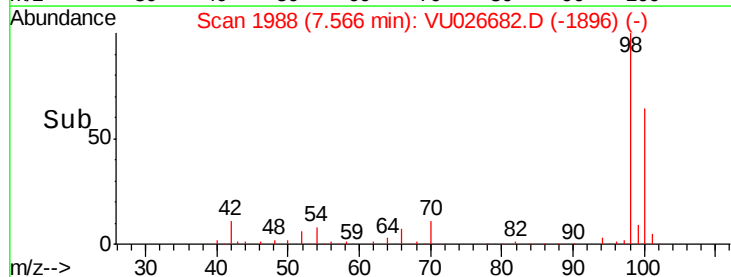
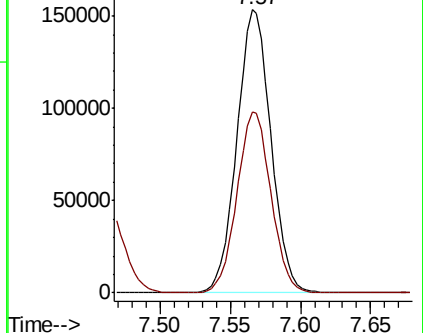
Acq: 11 Sep 2018 13:13

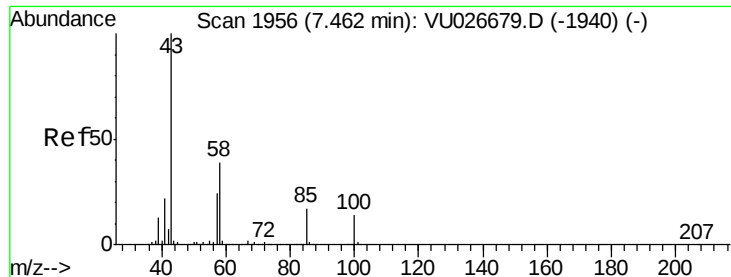
Tgt Ion:	98	Resp:	259985
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VU026679.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026679.D (-1974) (-)





#51

4-Methyl-2-Pentanone

Concen: 247.54 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 43 Resp: 594512

Ion Ratio Lower Upper

43 100

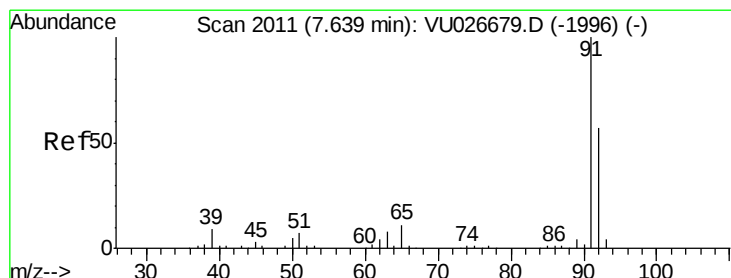
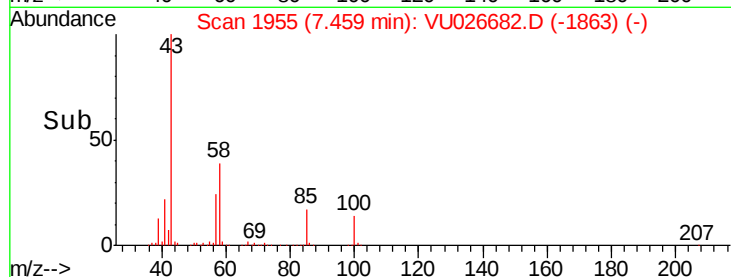
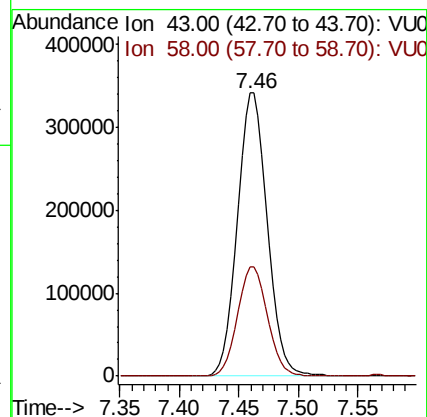
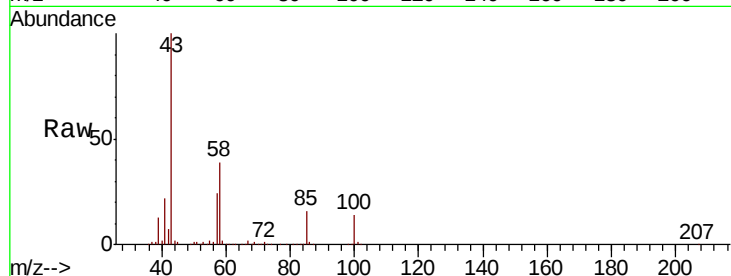
58 38.9 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 51.59 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026682.D

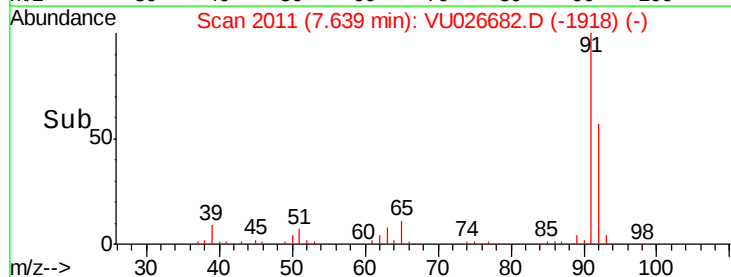
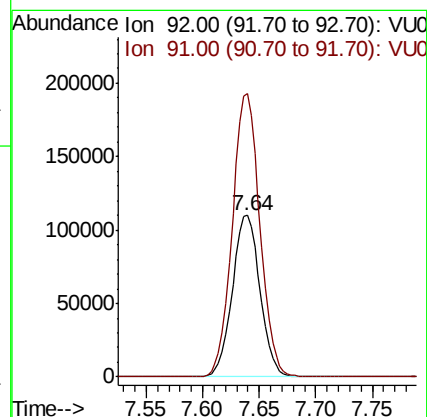
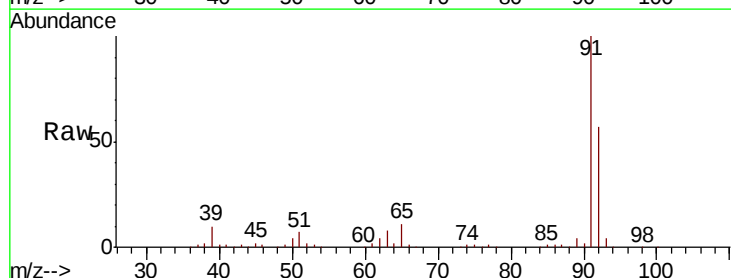
Acq: 11 Sep 2018 13:13

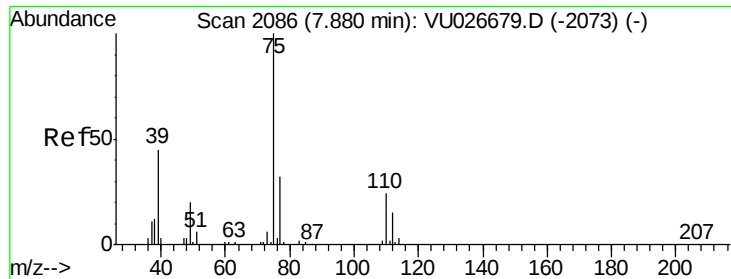
Tgt Ion: 92 Resp: 187136

Ion Ratio Lower Upper

92 100

91 175.0 141.1 211.7





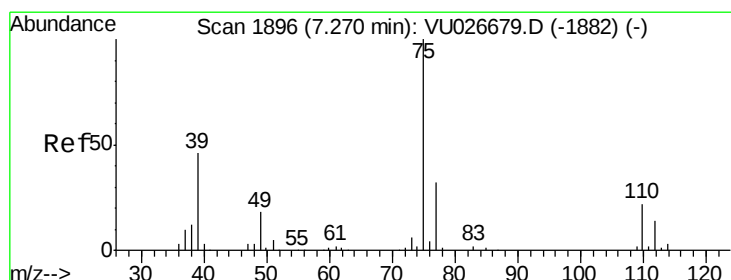
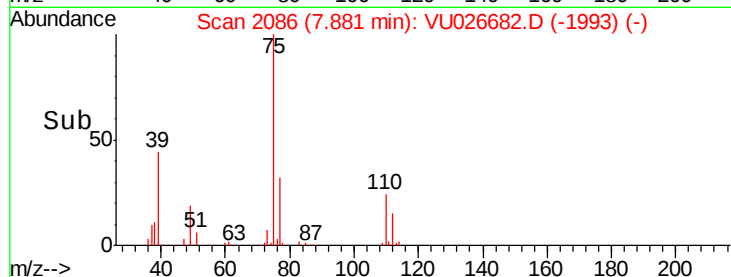
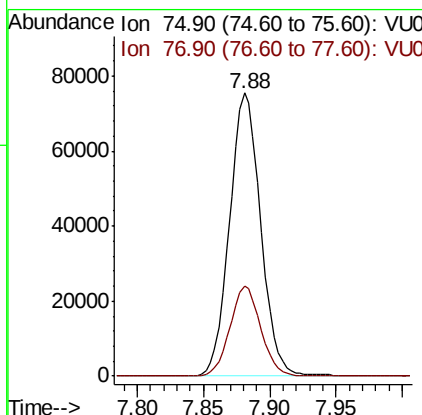
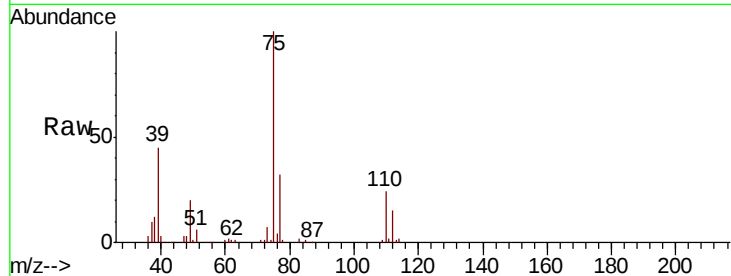
#53
t-1,3-Dichloropropene
Concen: 52.75 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

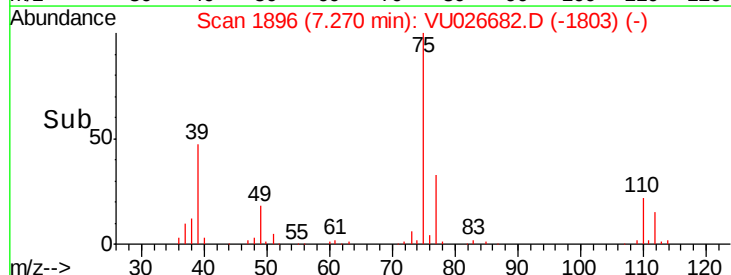
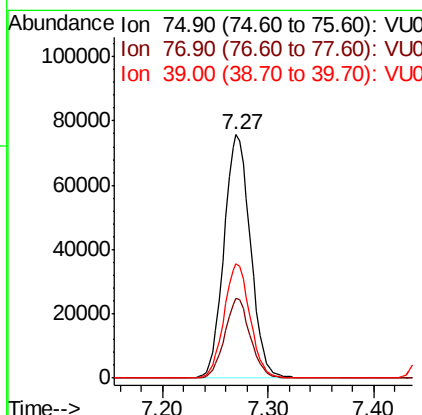
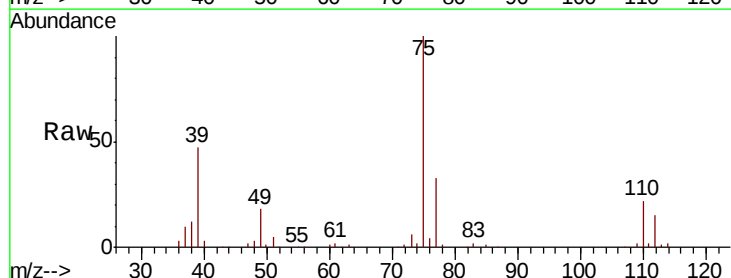
Manual Integrations
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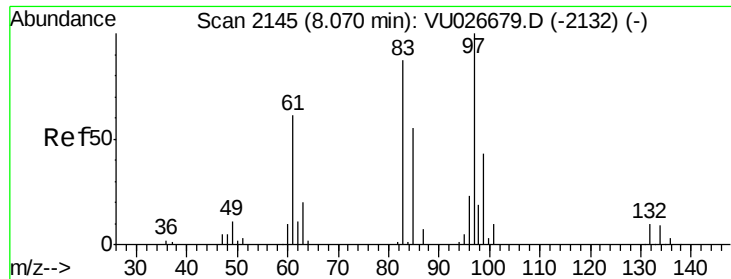
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.25 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
39	47.2	37.0	55.6





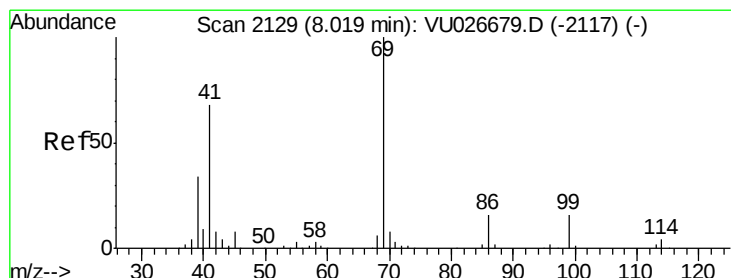
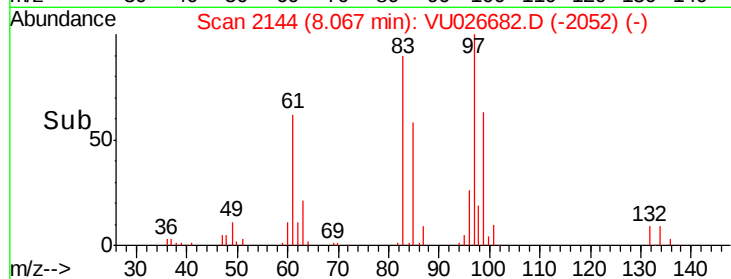
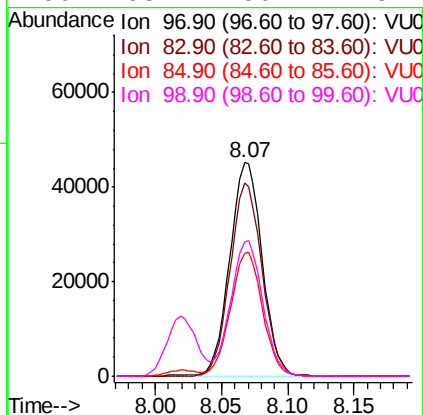
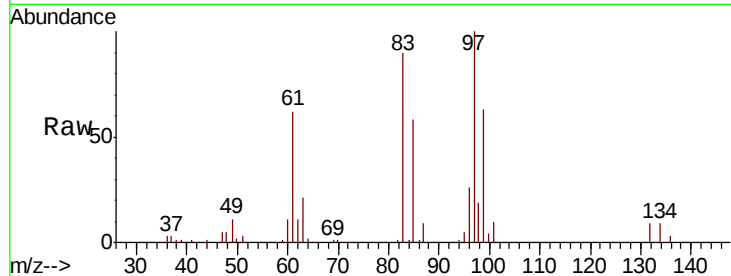
#55
 1,1,2-Trichloroethane
 Concen: 49.36 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion:	97	Resp:	76721
Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.3	103.9
85	57.8	45.9	68.9
99	63.2	50.1	75.1

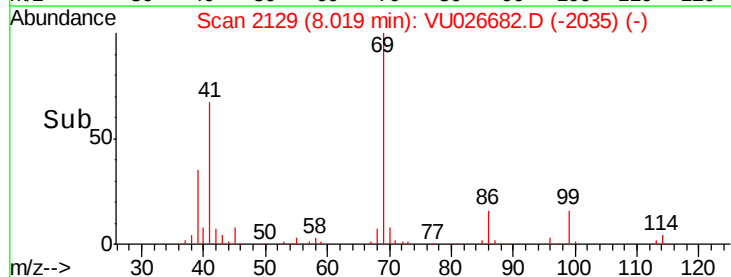
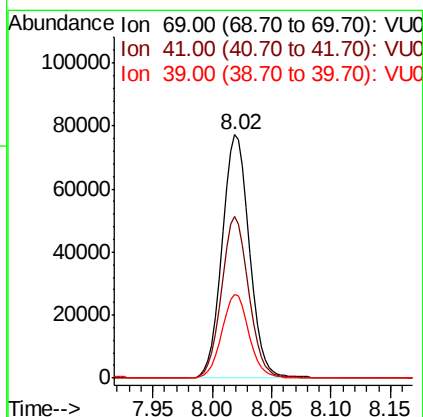
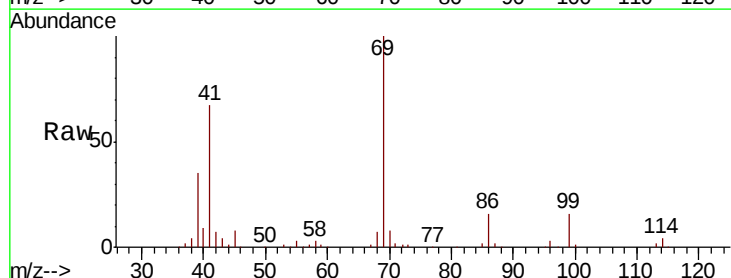
Manual Integrations
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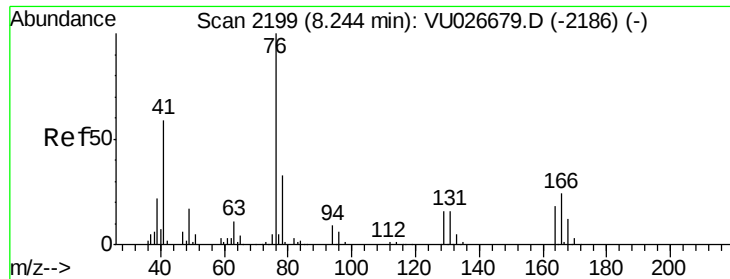
MMDadoda
 9/13/2018 4:48:57 PM



#56
 Ethyl methacrylate
 Concen: 47.09 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion:	69	Resp:	122837
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.2	81.2
39	34.6	28.4	42.6





#57

1,3-Dichloropropane

Concen: 50.72 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 76 Resp: 134351

Ion Ratio Lower Upper

76 100

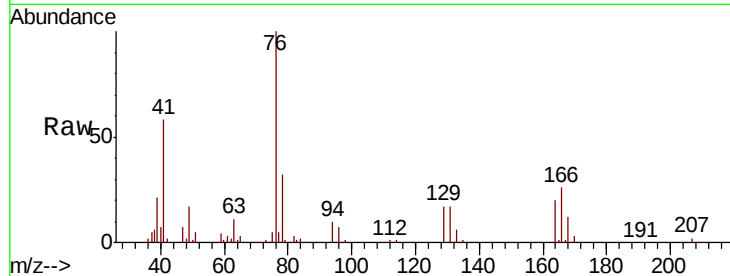
78 32.0 26.0 39.0

Manual Integrations

APPROVED

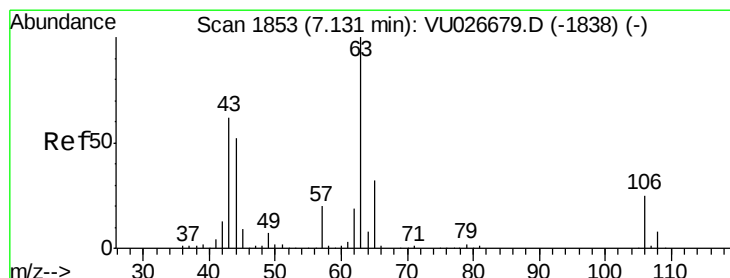
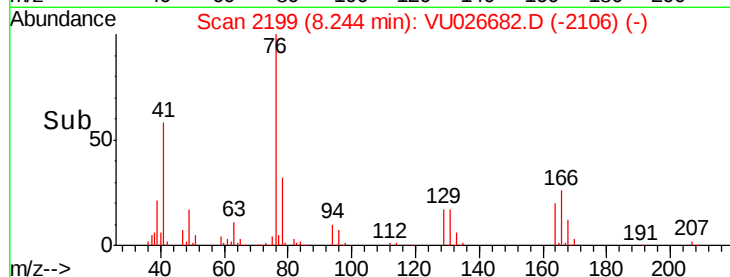
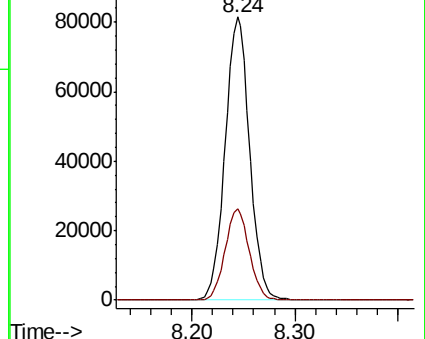
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 229.72 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU026682.D

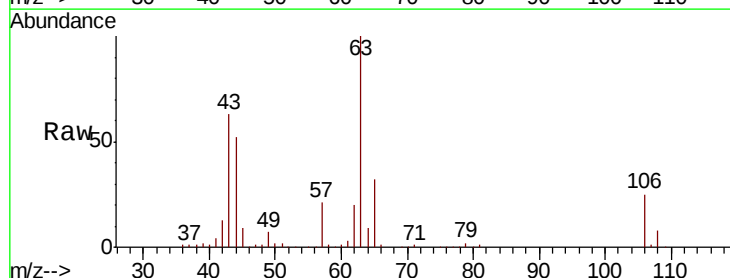
Acq: 11 Sep 2018 13:13

Tgt Ion: 63 Resp: 285478

Ion Ratio Lower Upper

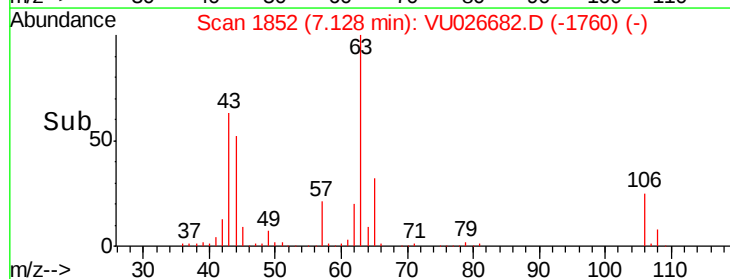
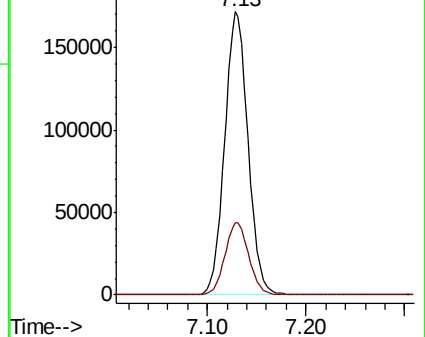
63 100

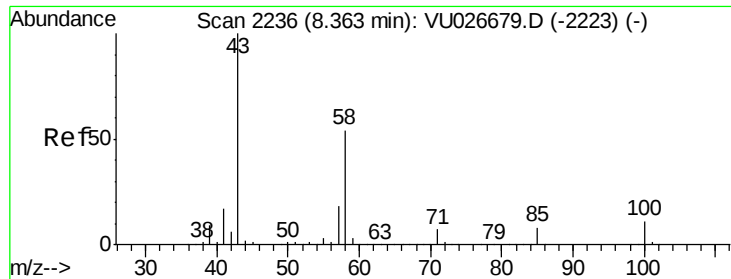
106 25.8 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





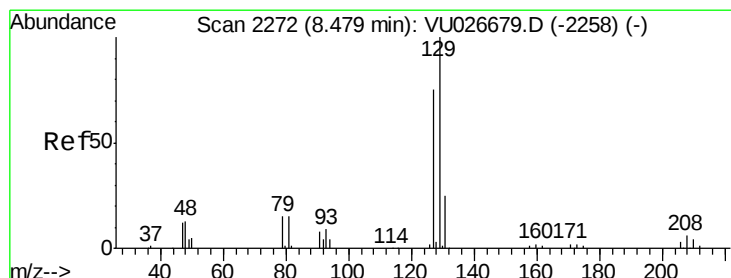
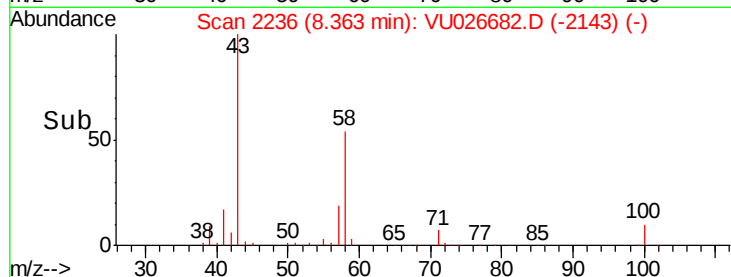
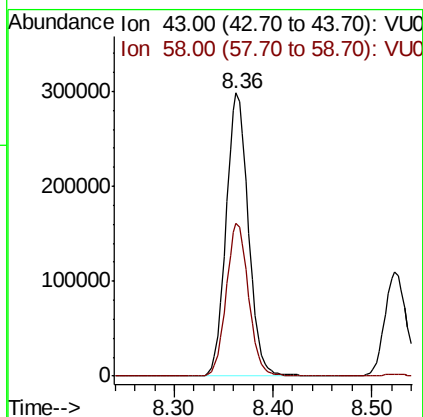
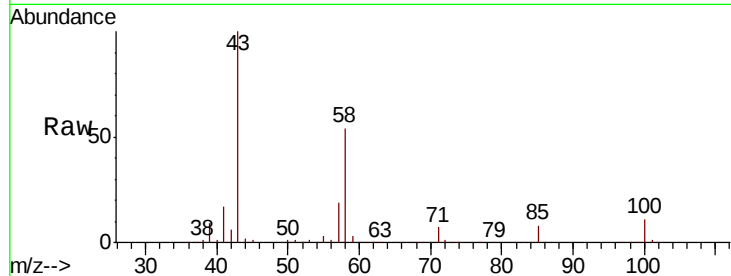
#59
2-Hexanone
Concen: 251.15 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion: 43 Resp: 474701
Ion Ratio Lower Upper
43 100
58 54.2 26.9 80.7

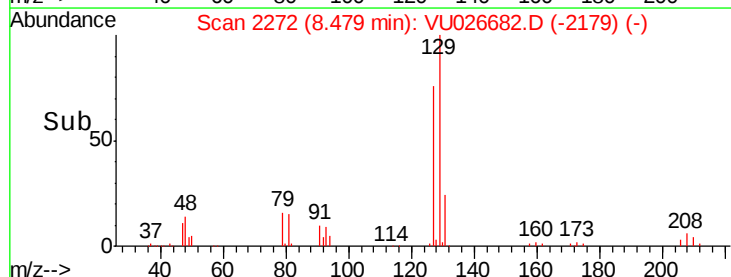
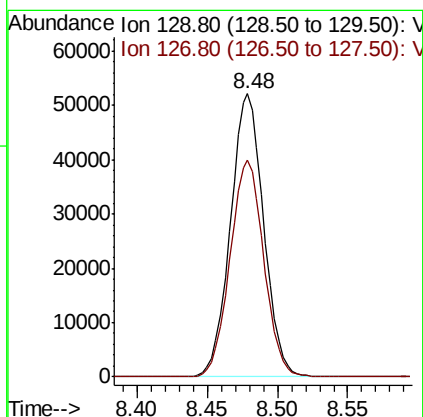
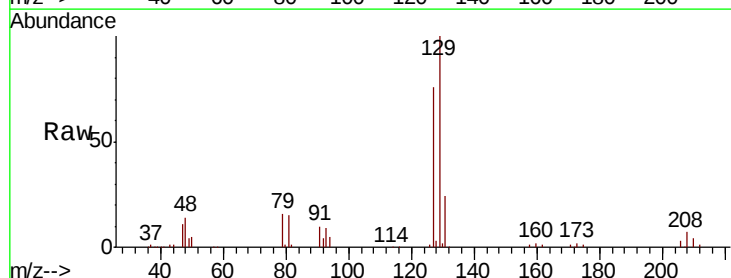
Manual Integrations
APPROVED

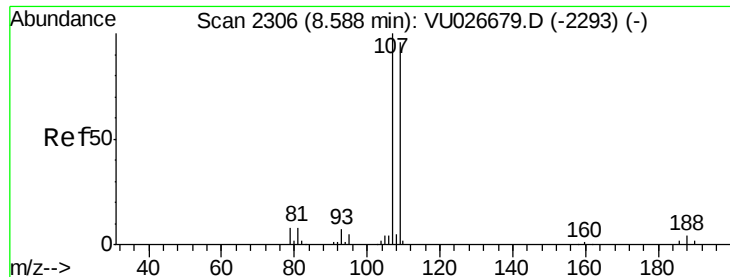
MMDadoda
9/13/2018 4:48:57 PM



#60
Dibromochloromethane
Concen: 50.98 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion: 129 Resp: 85818
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 50.06 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion:107 Resp: 84411

Ion Ratio Lower Upper

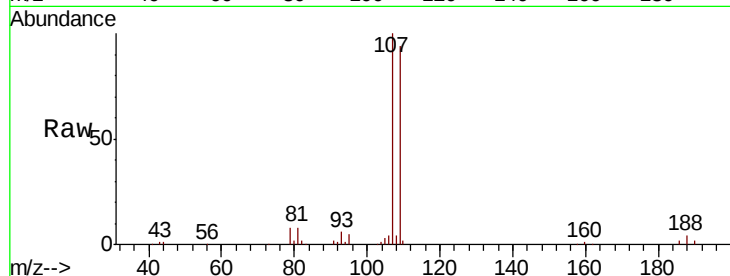
107 100

109 94.1 75.7 113.5

Manual Integrations
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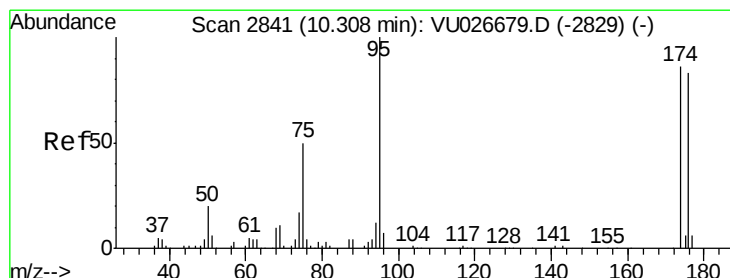
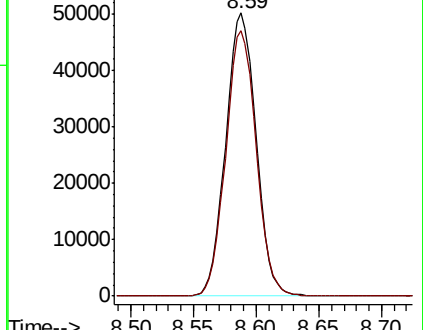
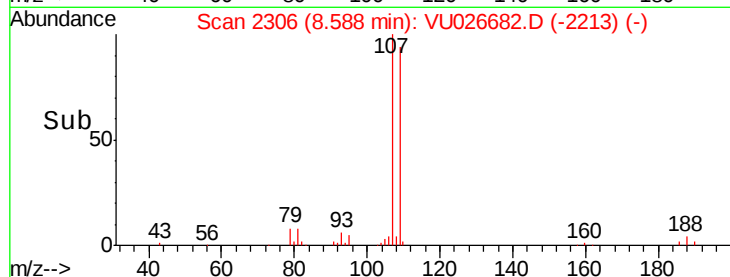
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59



#62

4-Bromofluorobenzene

Concen: 50.33 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

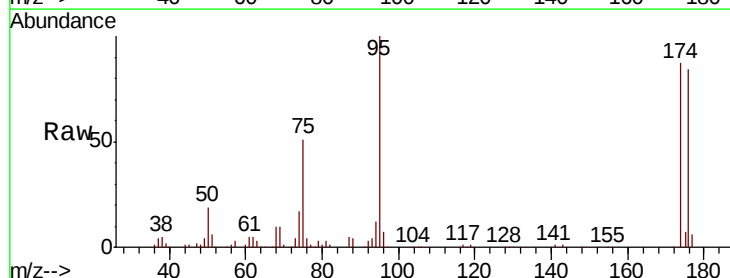
Tgt Ion: 95 Resp: 96113

Ion Ratio Lower Upper

95 100

174 86.5 0.0 172.8

176 84.3 0.0 168.6

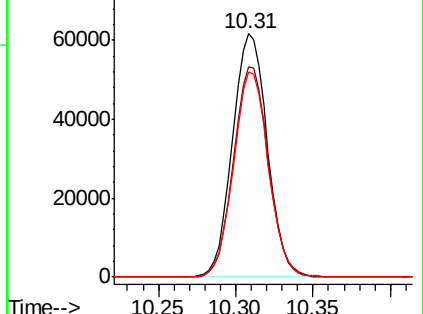
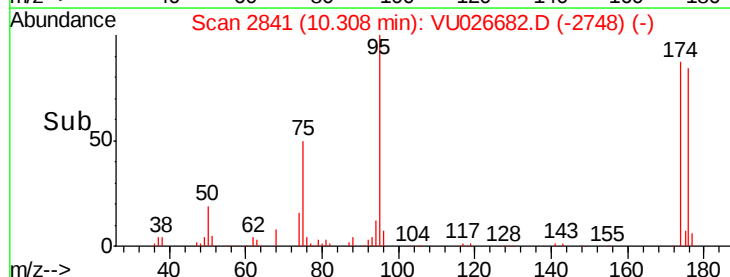


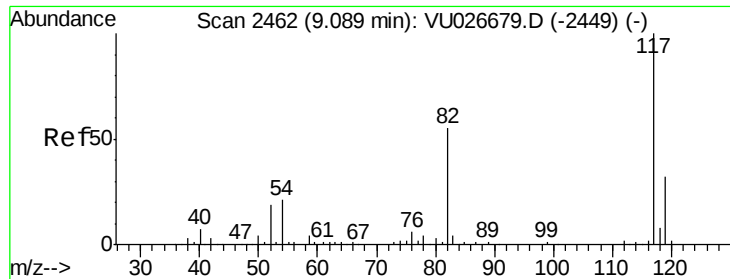
Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31





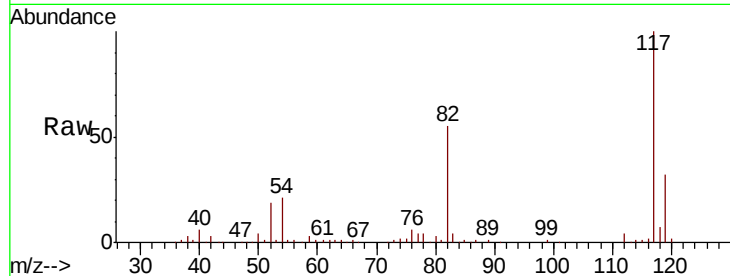
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampled :
ICVVU091218

Tot Ion	Ratio	Resp	Lower	Upper
117	100	166586		
82	55.4	44.1	66.1	
119	32.0	25.7	38.5	

Manual Integrations
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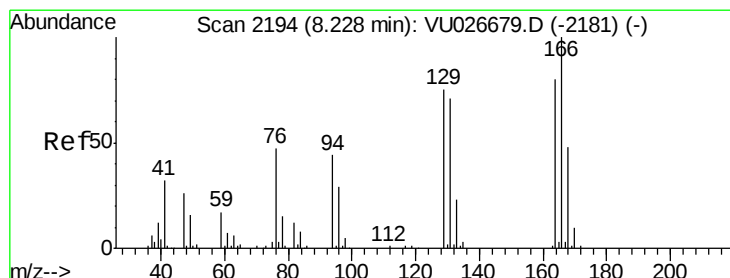
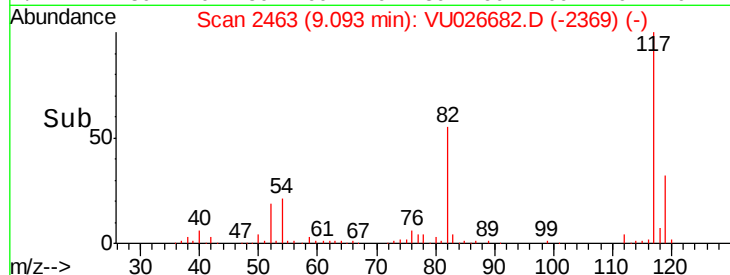
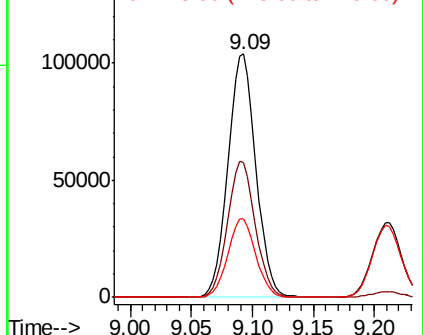


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.56 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68362		
166	127.7	100.5	150.7	
129	93.5	75.3	112.9	
131	90.1	71.4	107.2	

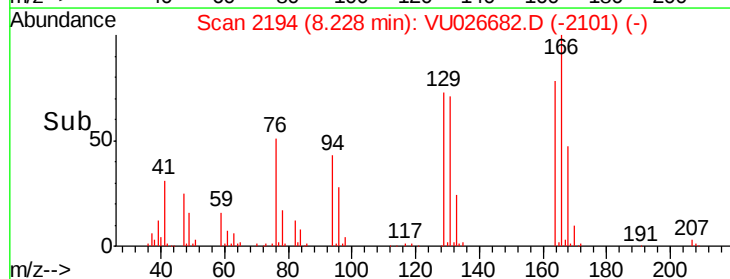
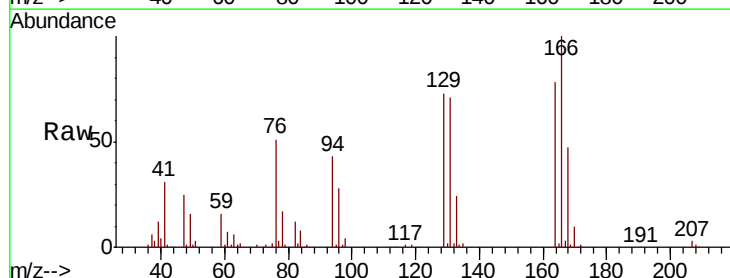
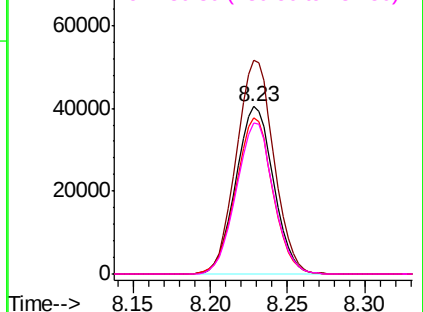
Abundance

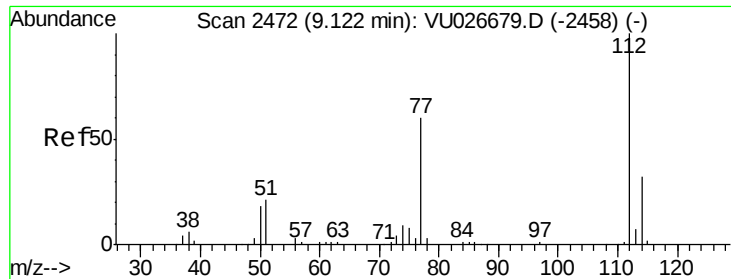
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





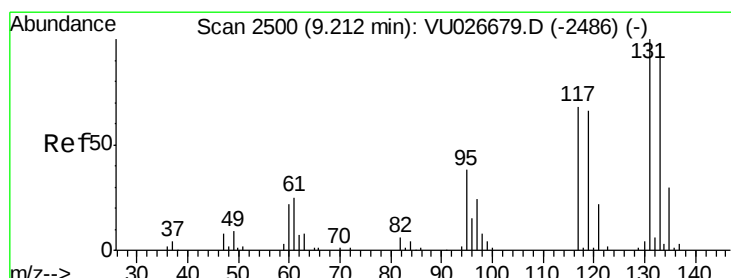
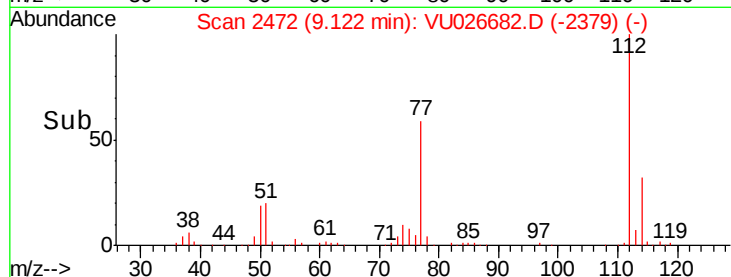
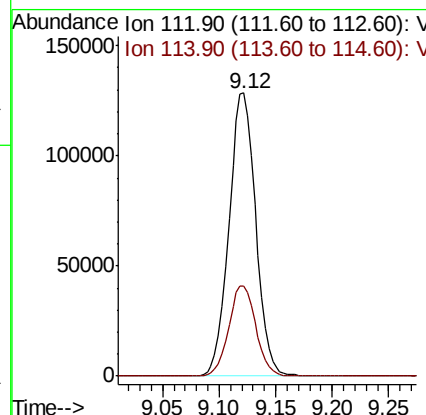
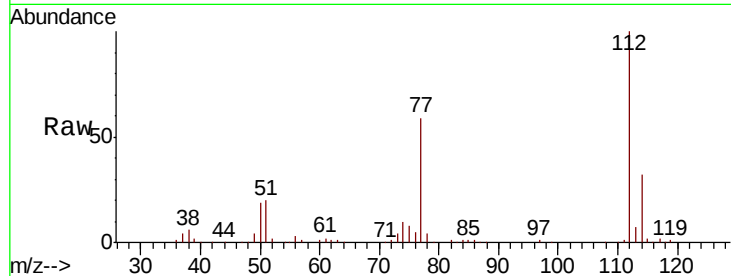
#65
Chlorobenzene
Concen: 51.08 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.5	38.3

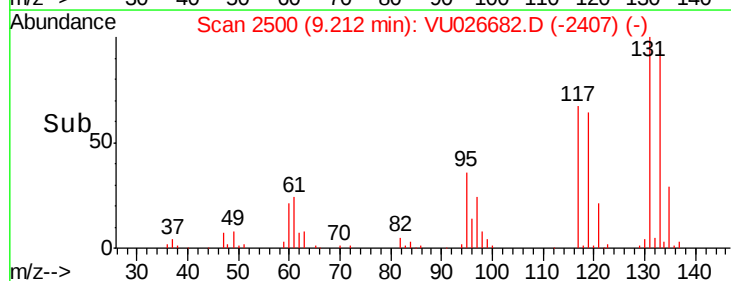
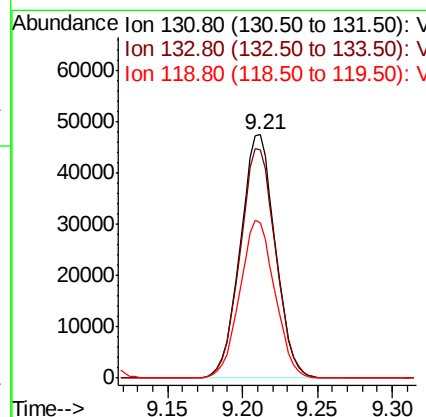
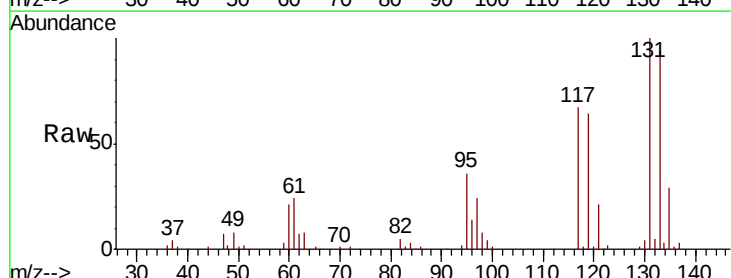
Manual Integrations
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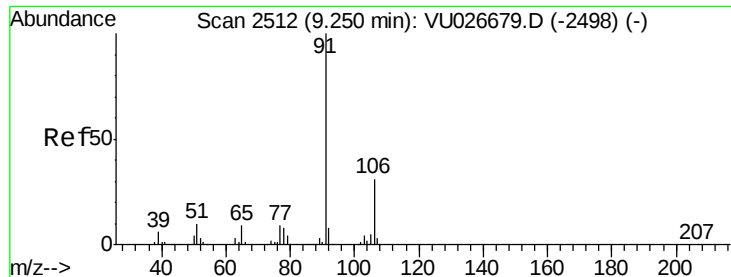
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.80 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.9	146.6
119	64.8	32.7	98.1





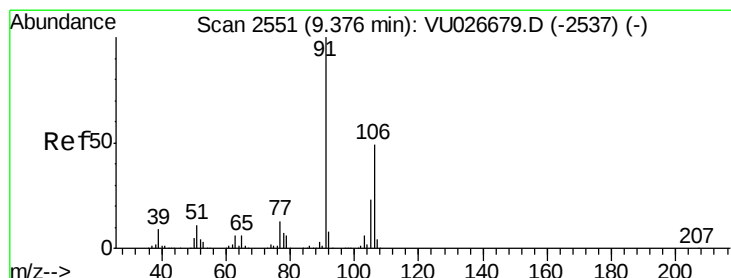
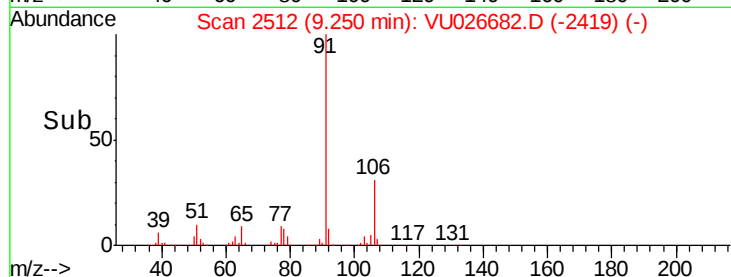
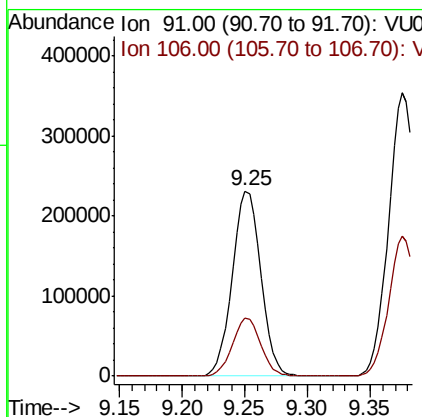
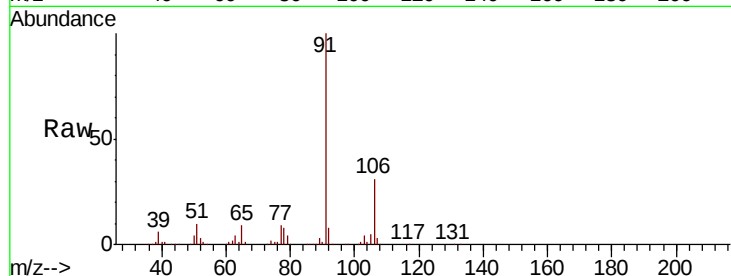
#67
Ethyl Benzene
Concen: 53.64 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	91	Resp	365707
Ion Ratio	100	Lower	Upper
91	100		
106	31.2	25.0	37.4

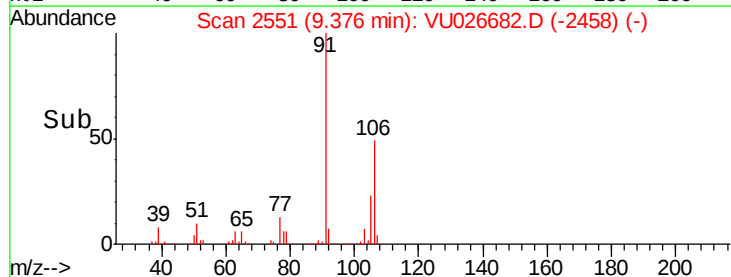
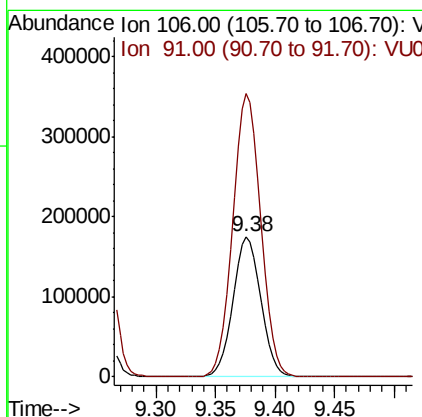
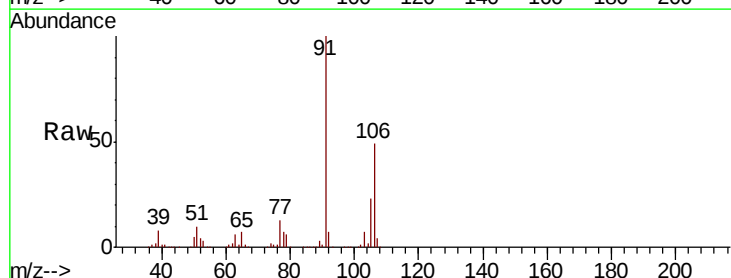
Manual Integrations
APPROVED

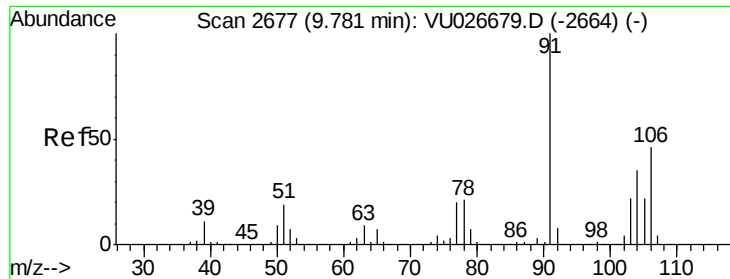
MMDadoda
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#68
m/p-Xylenes
Concen: 109.30 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	106	Resp	283480
Ion Ratio	100	Lower	Upper
106	100		
91	203.1	162.1	243.1





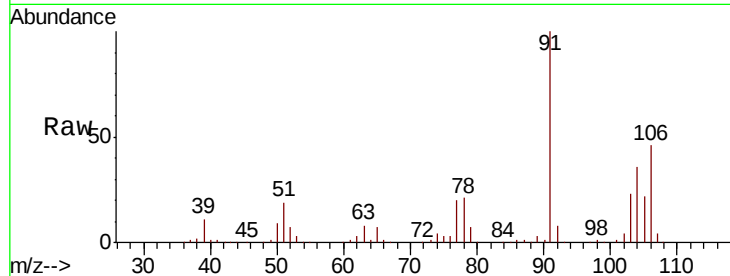
#69
o-Xylene
Concen: 49.37 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

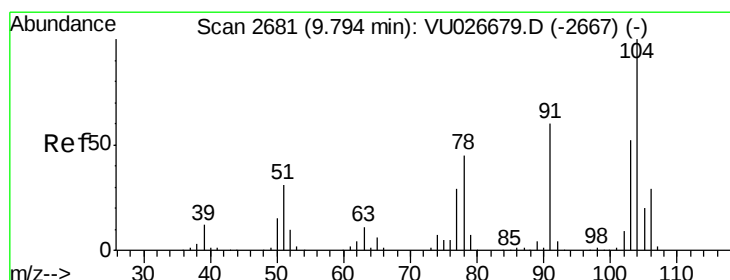
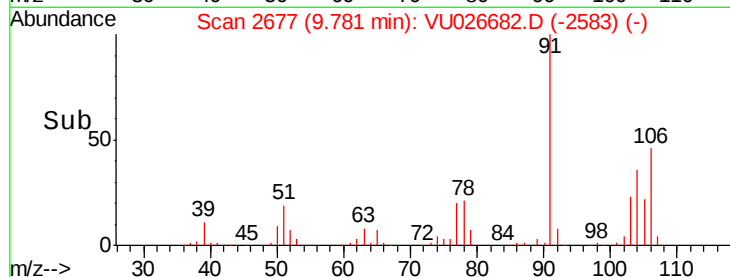
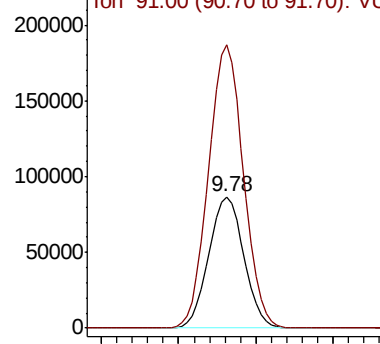
Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	106.9	320.8

Manual Integrations
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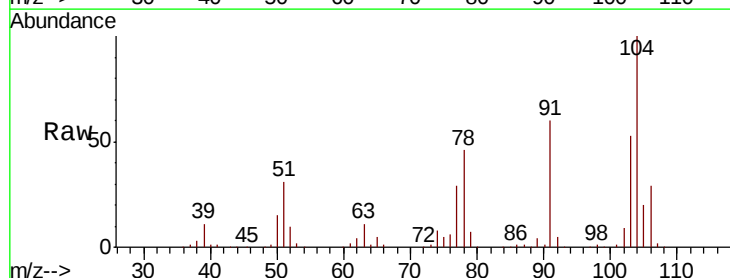


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

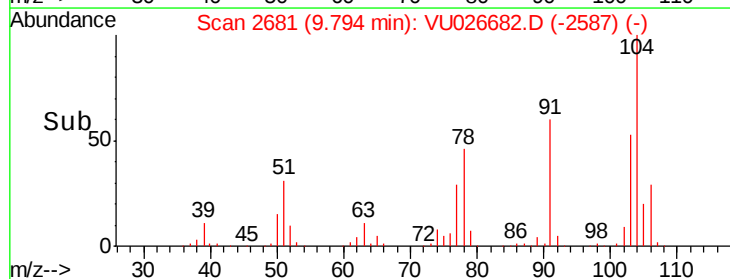
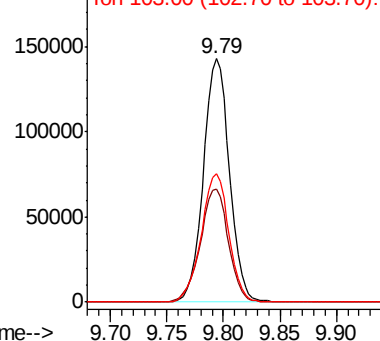


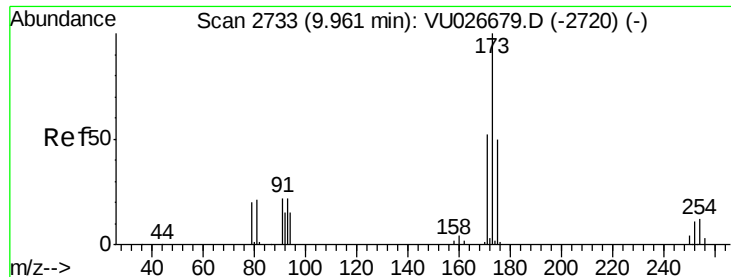
#70
Styrene
Concen: 49.19 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.4	59.2
103	55.7	44.5	66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.92 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion:173 Resp: 68770

Ion Ratio Lower Upper

173 100

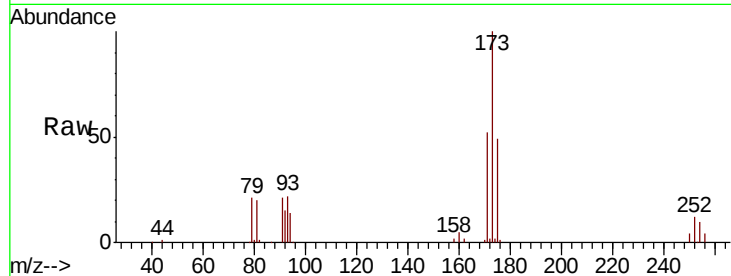
175 49.3 24.7 74.1

254 0.0 0.0 0.0

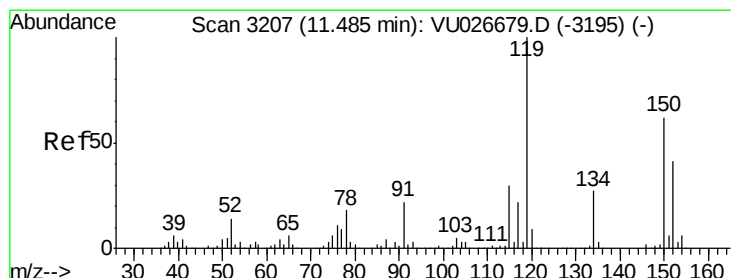
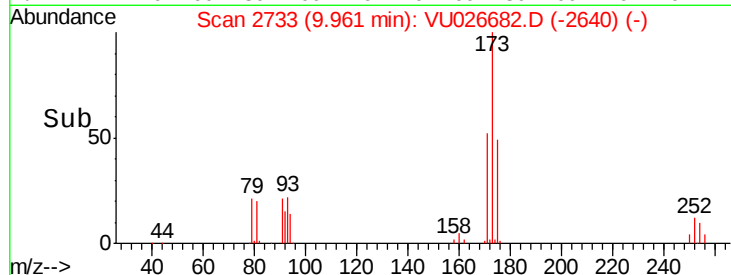
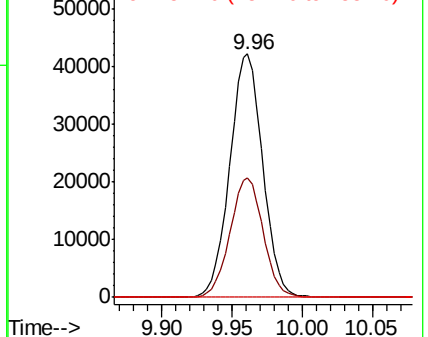
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

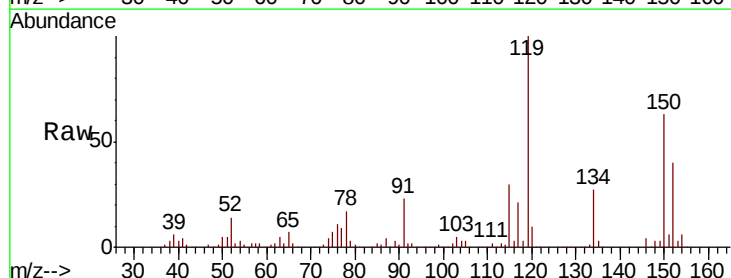
Tgt Ion:152 Resp: 102193

Ion Ratio Lower Upper

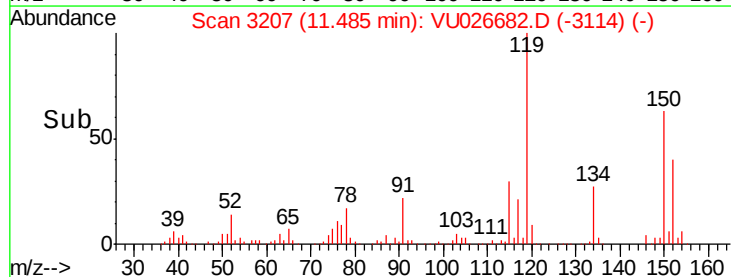
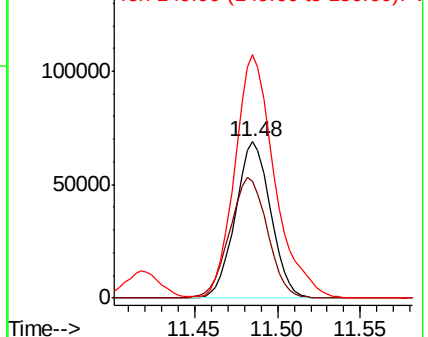
152 100

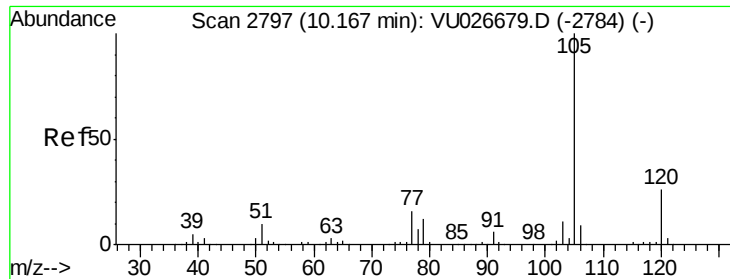
115 82.6 40.4 121.1

150 175.4 0.0 345.2



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: 53.27 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion: 105 Resp: 370959

Ion Ratio Lower Upper

105 100

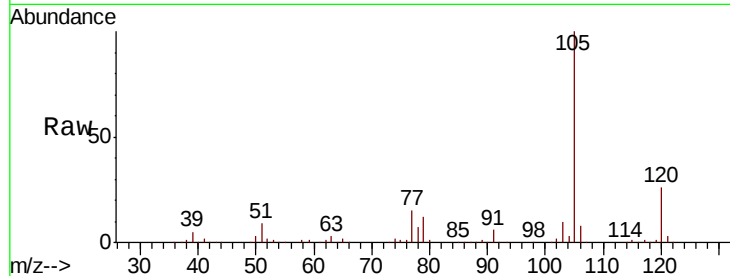
120 26.4 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

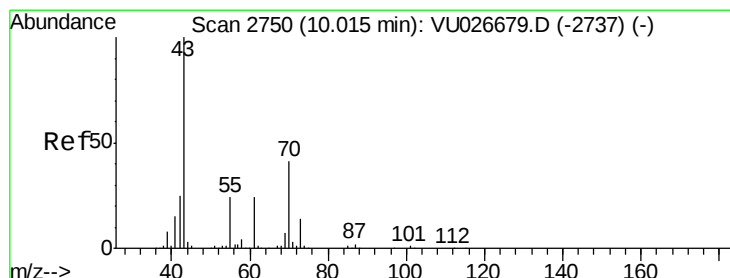
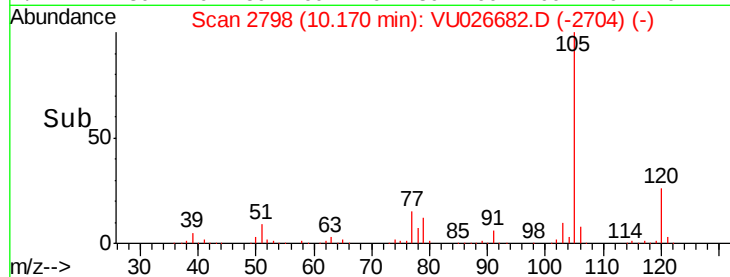
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 52.79 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion: 43 Resp: 173544

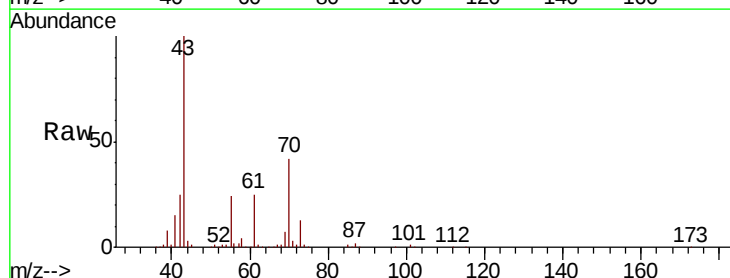
Ion Ratio Lower Upper

43 100

70 41.0 32.6 48.8

55 24.4 19.1 28.7

61 24.1 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

150000

100000

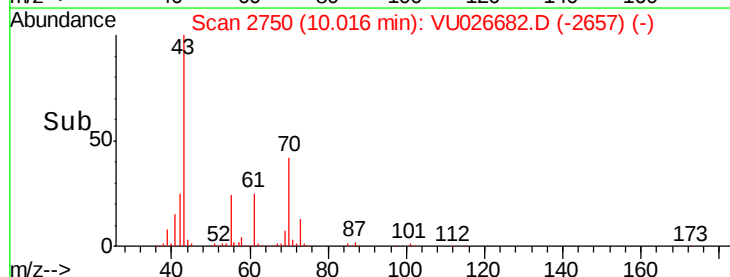
50000

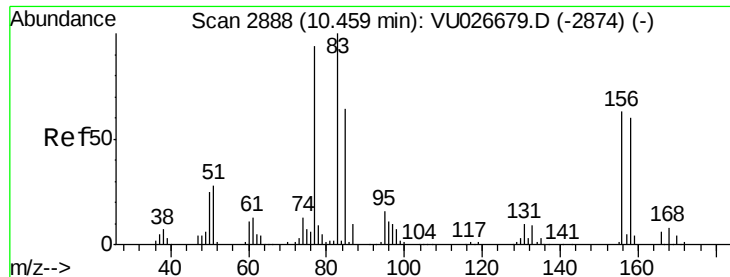
0

10.00

10.10

Time-->





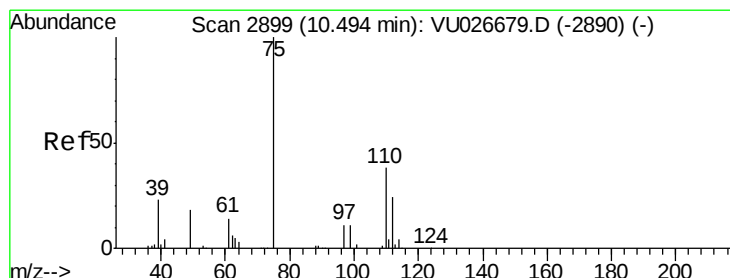
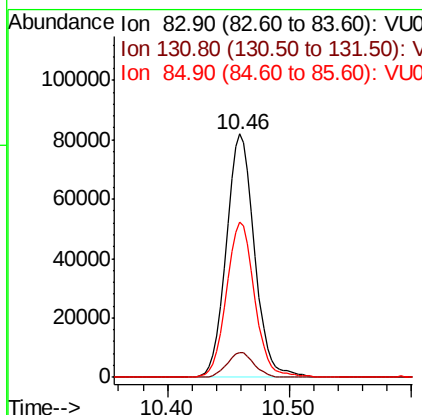
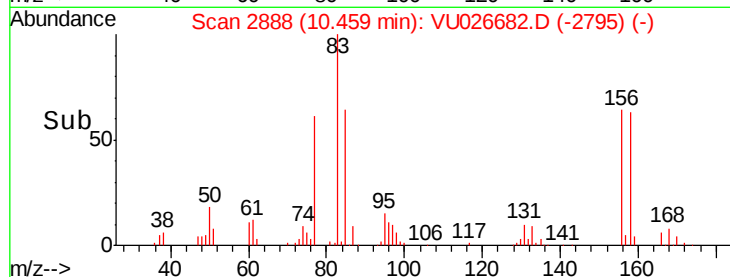
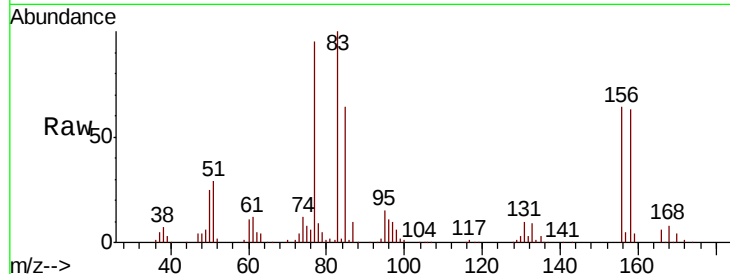
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.78 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132773		
131	9.8	4.9	14.6	
85	64.0	32.3	96.9	

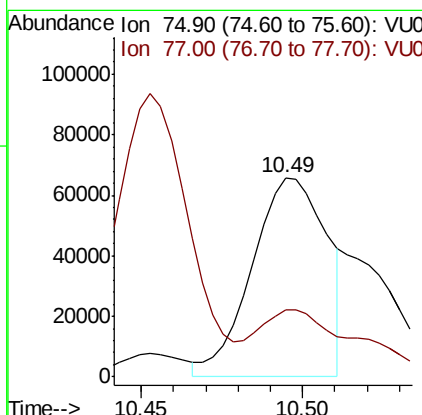
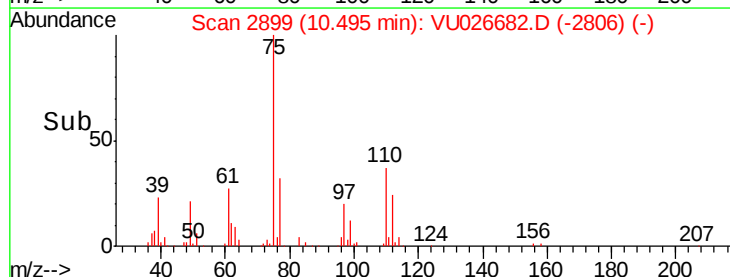
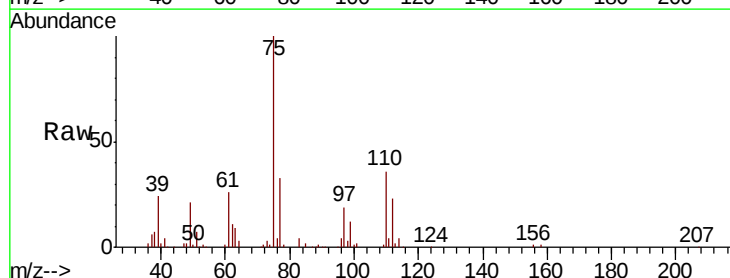
Manual Integrations
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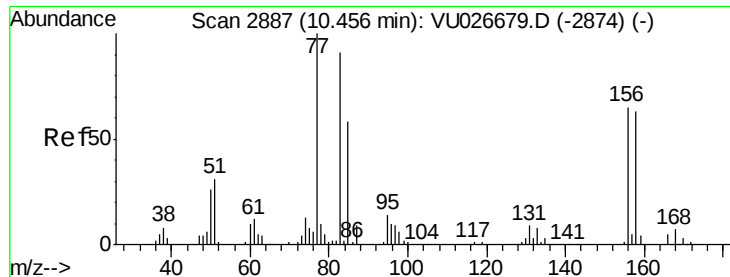
MMDadoda
 9/13/2018 4:48:57 PM



#76
 1,2,3-Trichloropropane
 Concen: 46.37 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106144		
77	44.3	21.1	63.1	





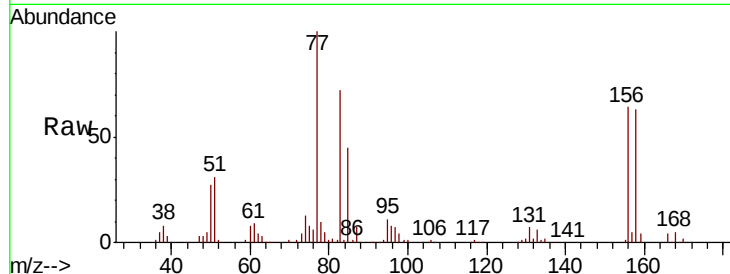
#77
Bromobenzene
Concen: 50.34 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.3	77.6	232.9	
158	97.6	48.9	146.6	

Manual Integrations
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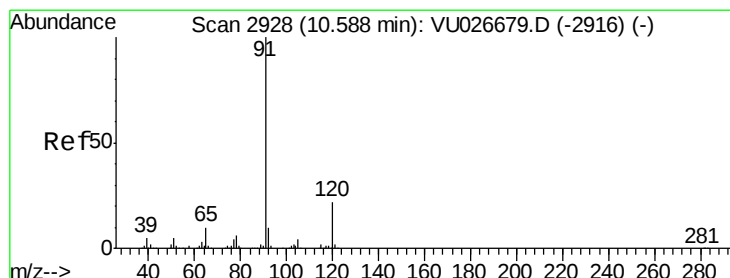
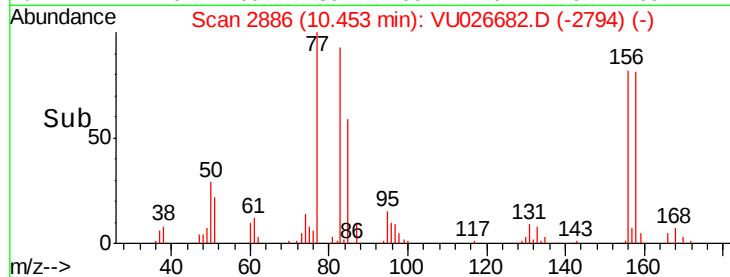
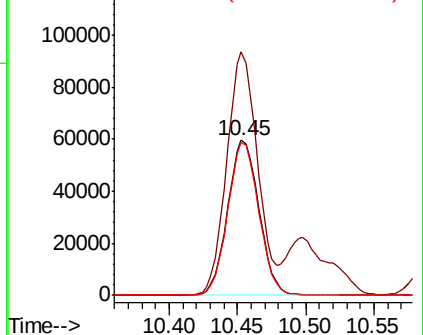


Abundance

Ion 155.80 (155.50 to 156.50): V

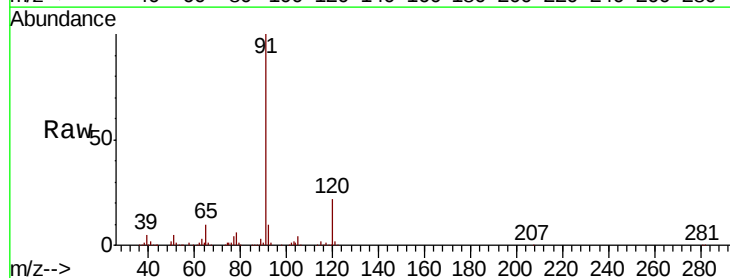
Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 55.08 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

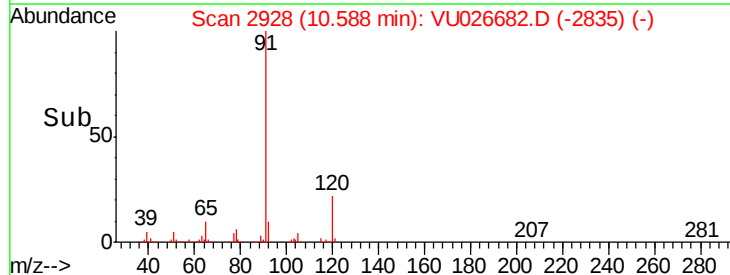
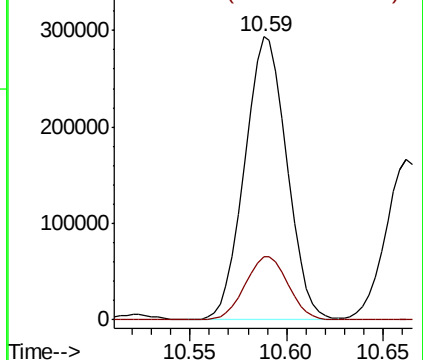
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.4	34.1	

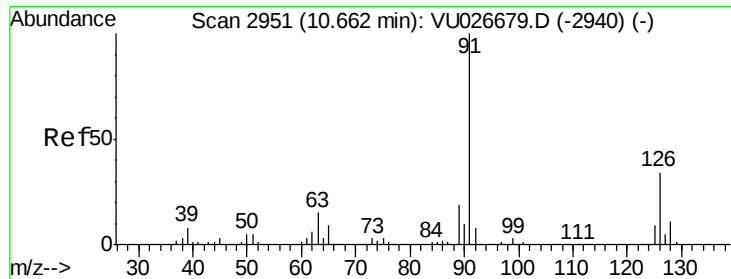


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





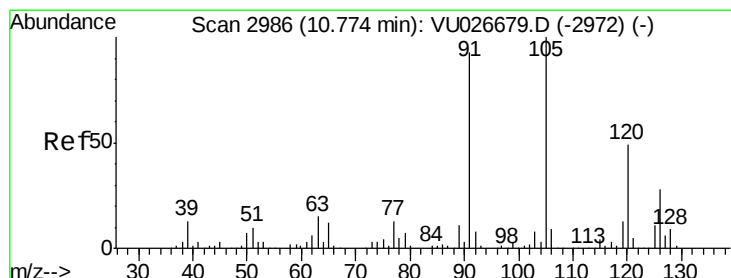
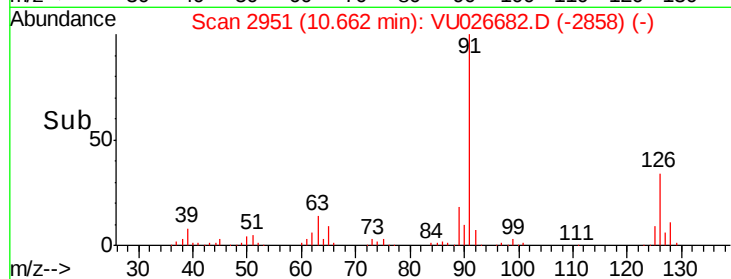
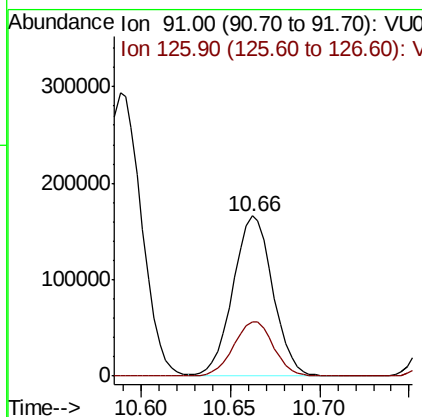
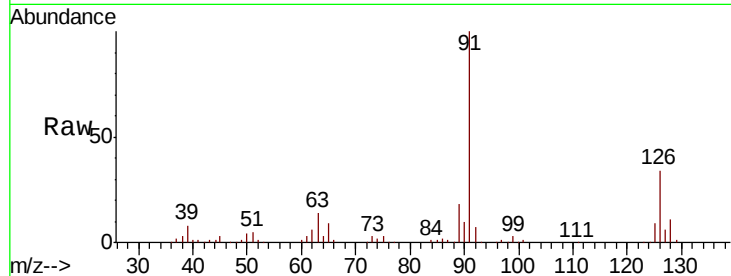
#79
 2-Chlorotoluene
 Concen: 51.36 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion: 91 Resp: 257847
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.3 51.7

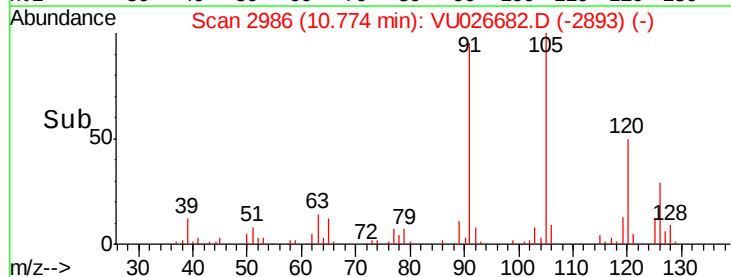
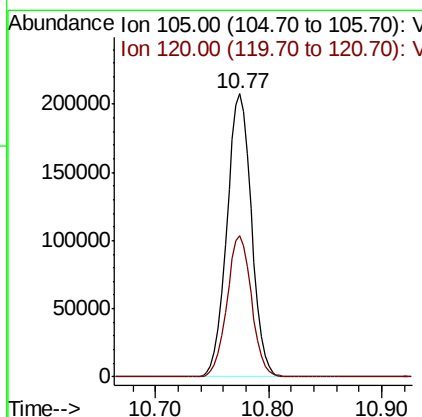
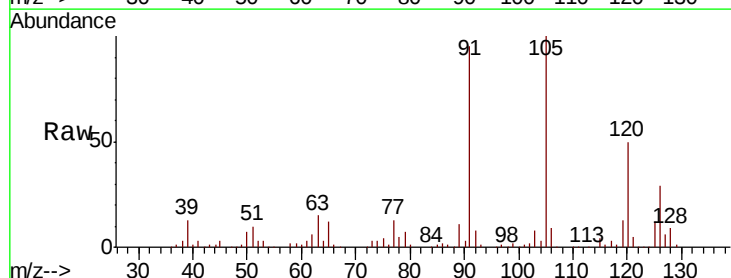
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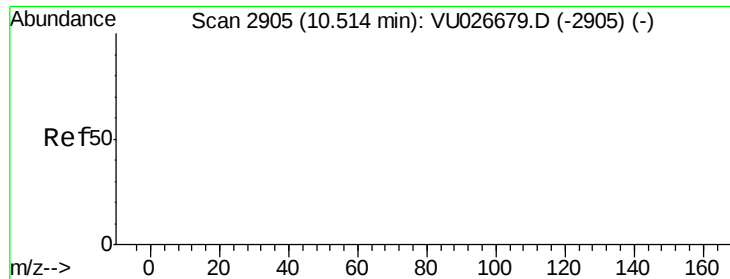
MMDadoda
 9/13/2018 4:48:57 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.58 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion: 105 Resp: 313606
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.05 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026682.D

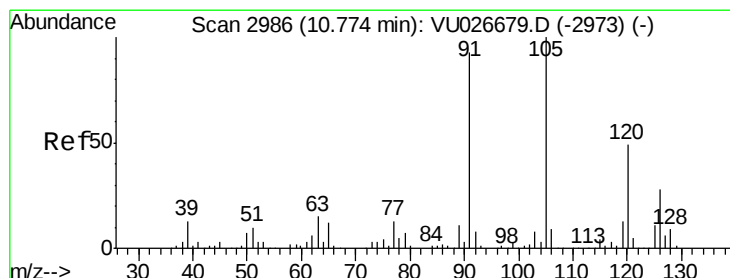
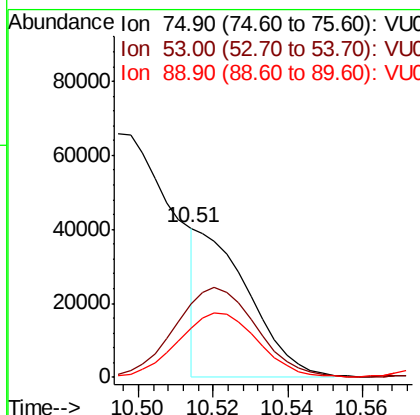
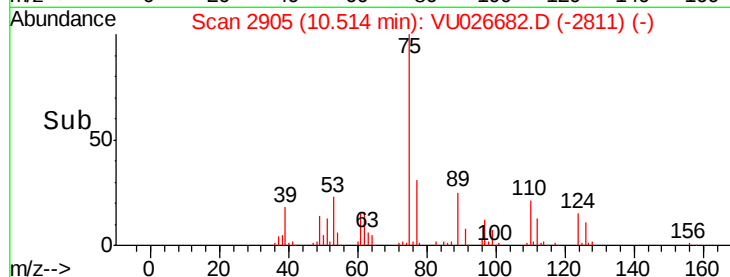
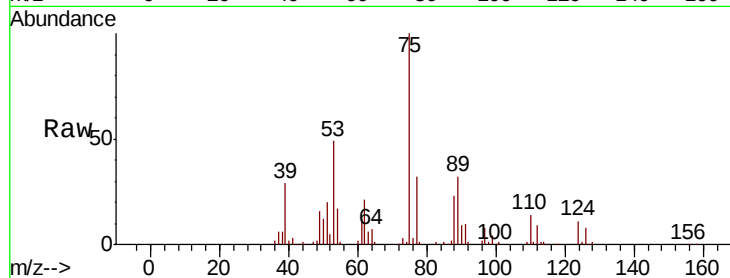
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

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

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#82

4-Chlorotoluene

Concen: 54.09 ug/l

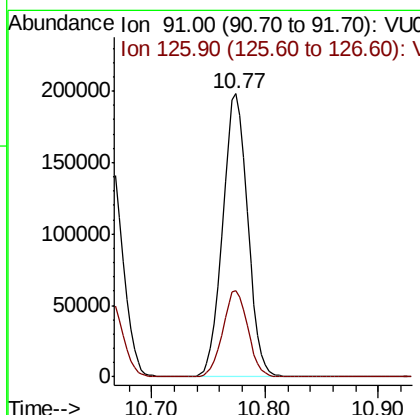
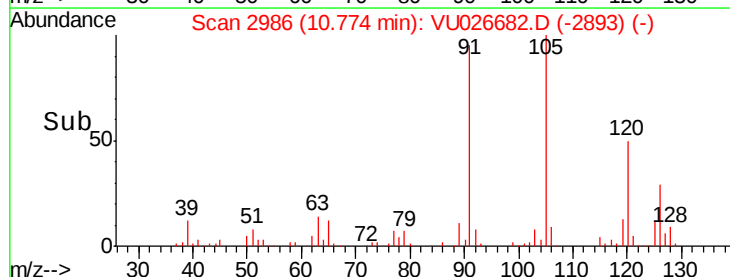
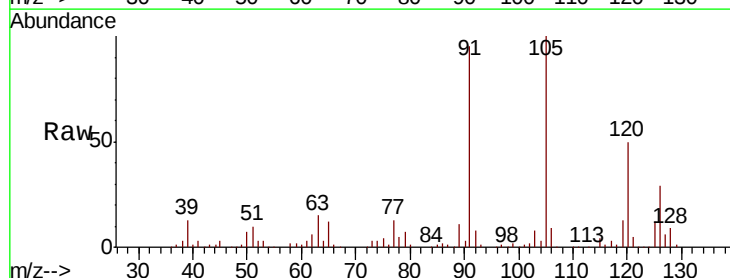
RT: 10.77 min Scan# 2986

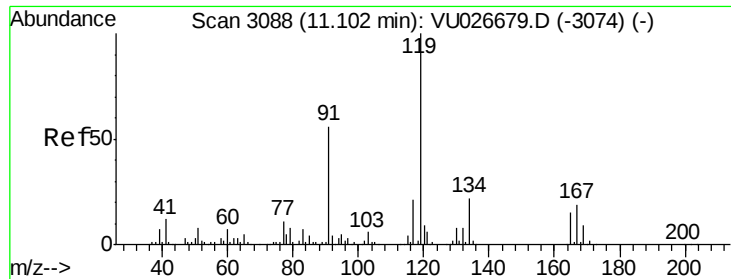
Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.5





#83

tert-Butylbenzene

Concen: 53.09 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

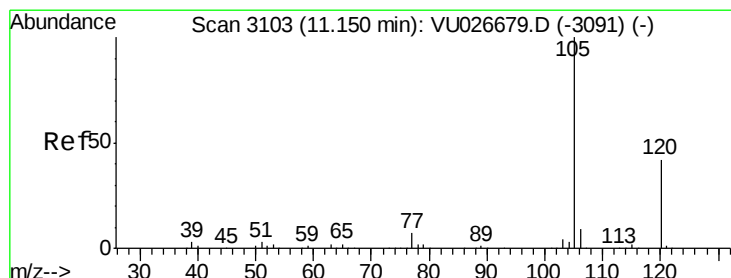
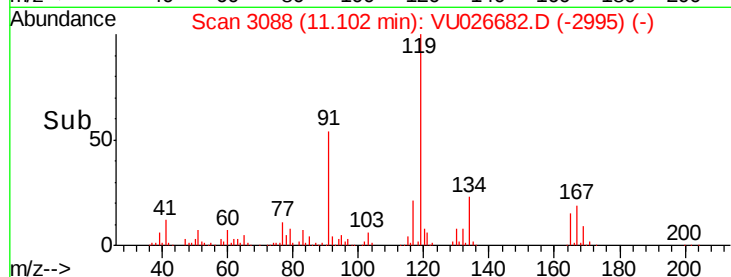
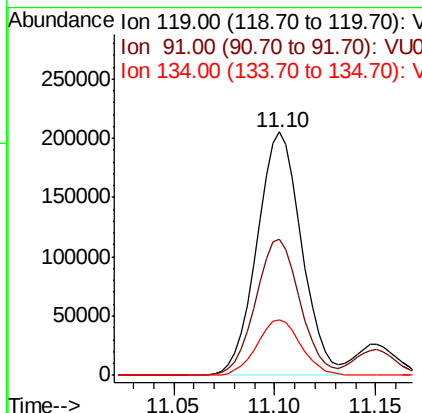
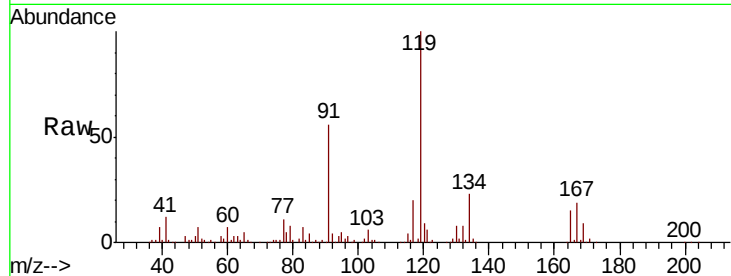
ClientSampleId :

ICVVU091218

Tot Ion:	119	Resp:	315376
Ion Ratio	Lower	Upper	
119	100		
91	56.1	28.3	85.0
134	22.6	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 54.52 ug/l

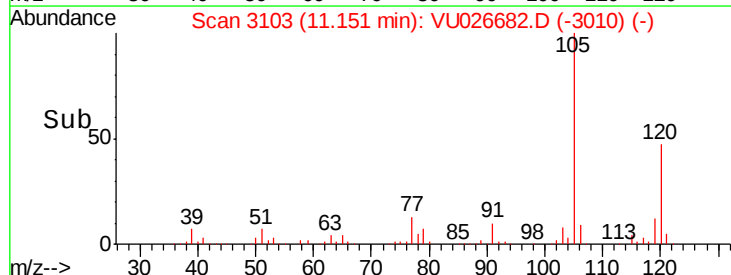
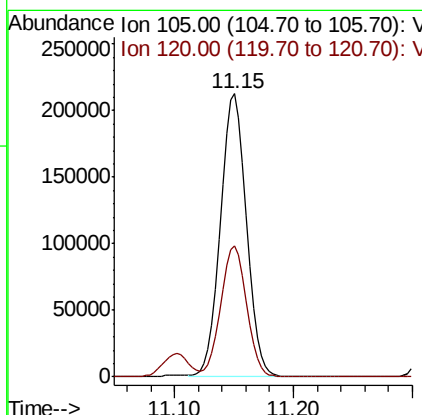
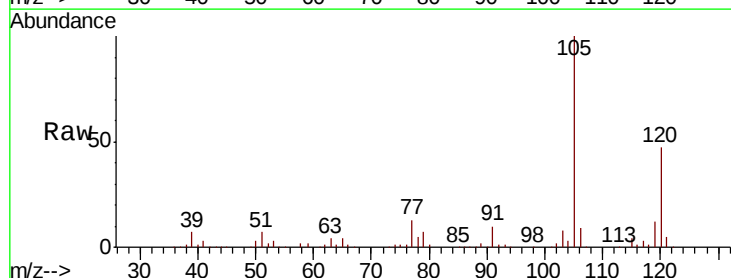
RT: 11.15 min Scan# 3103

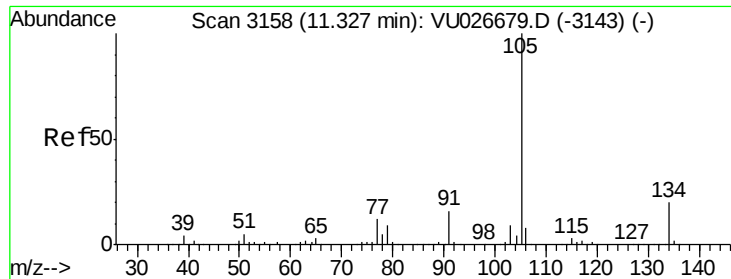
Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Tgt Ion:	105	Resp:	321896
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 54.72 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

ICVVU091218

Tot Ion:105 Resp: 386024

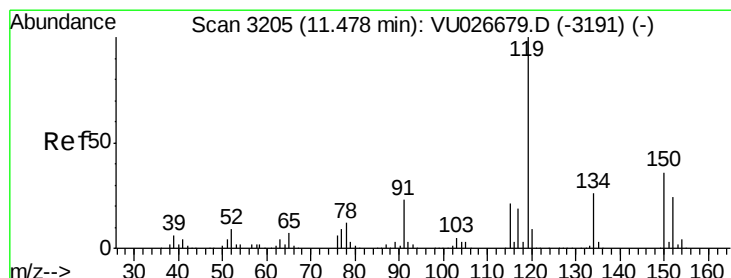
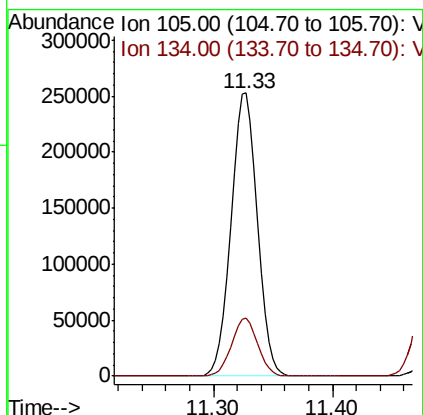
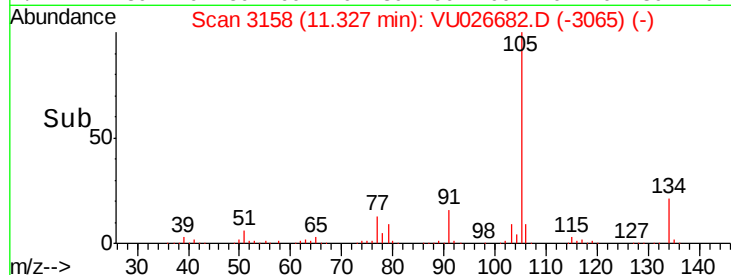
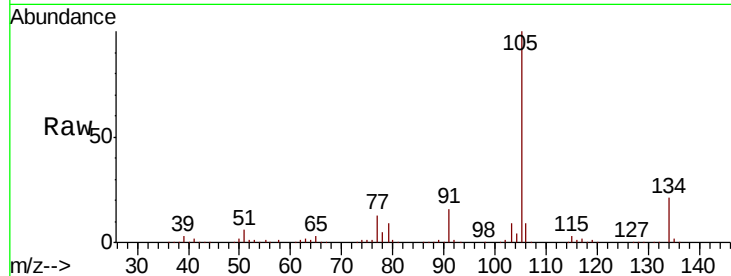
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 50.70 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026682.D

Acq: 11 Sep 2018 13:13

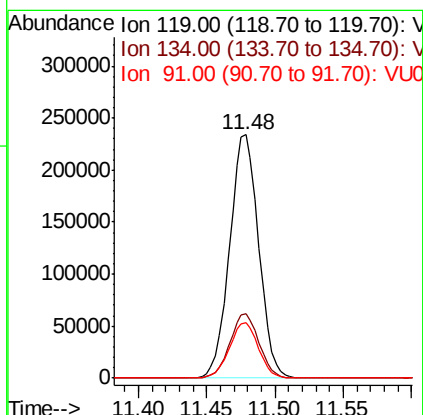
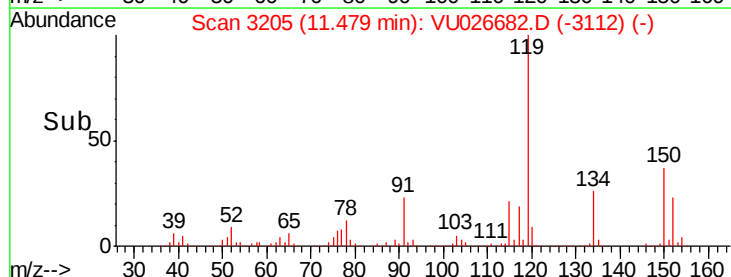
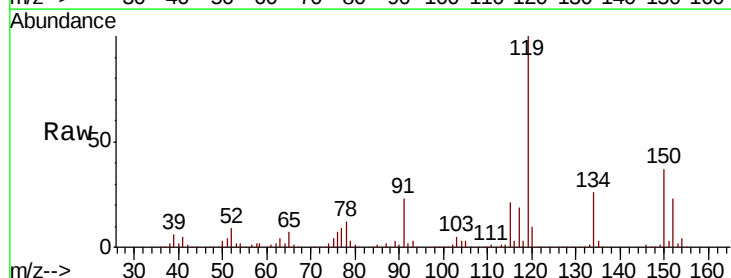
Tgt Ion:119 Resp: 343964

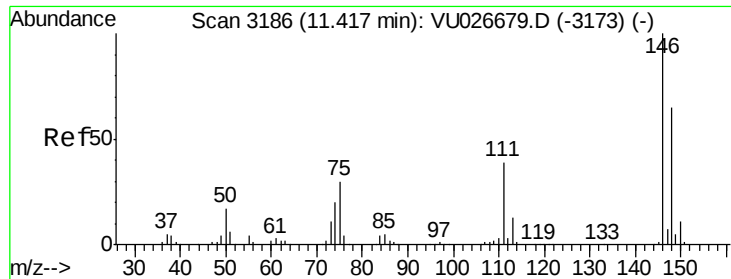
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.0 11.6 34.8





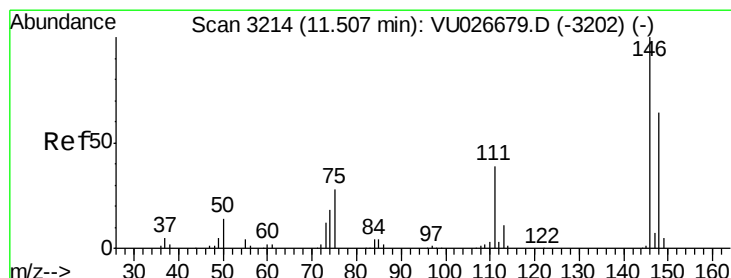
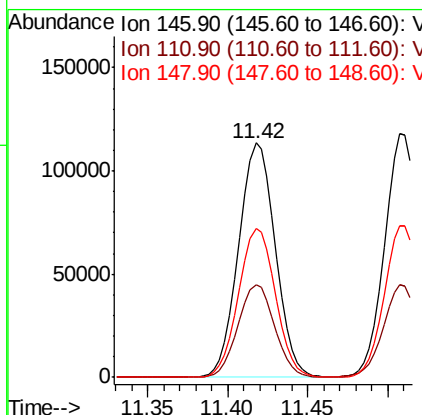
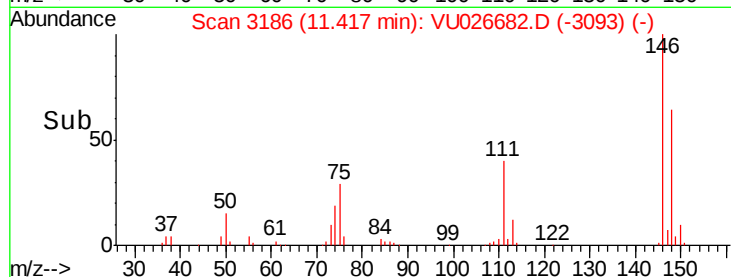
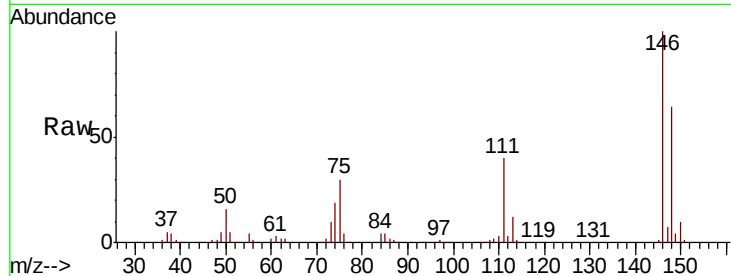
#87
 1,3-Dichlorobenzene
 Concen: 50.24 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.9	32.1	96.3

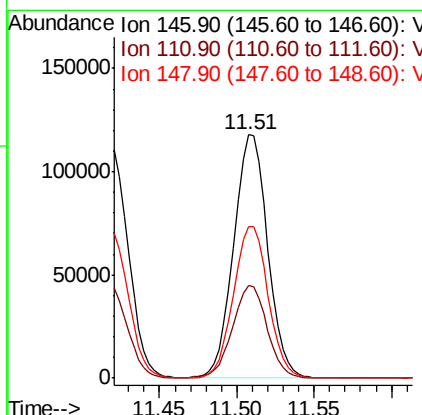
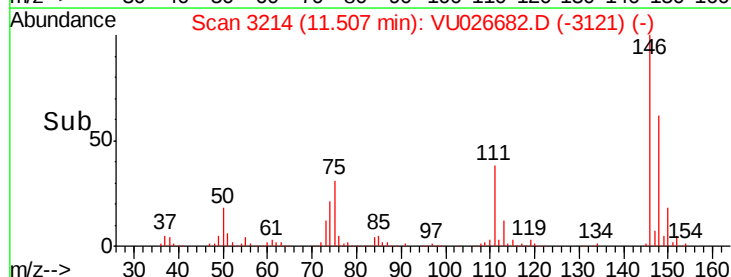
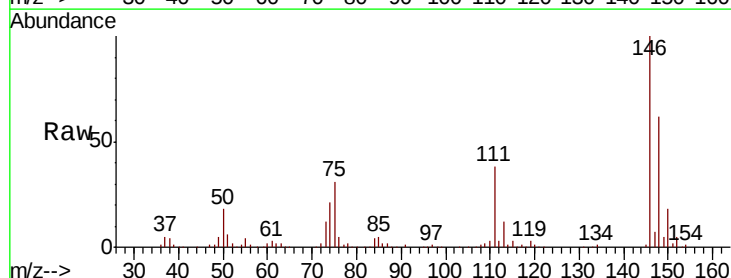
Manual Integrations
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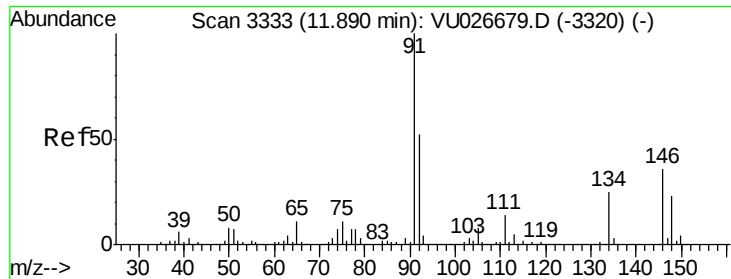
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.79 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	64.0	32.1	96.3





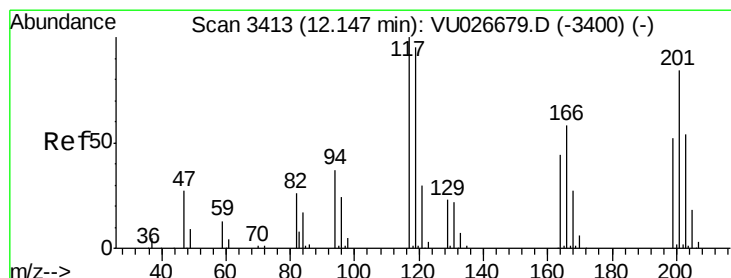
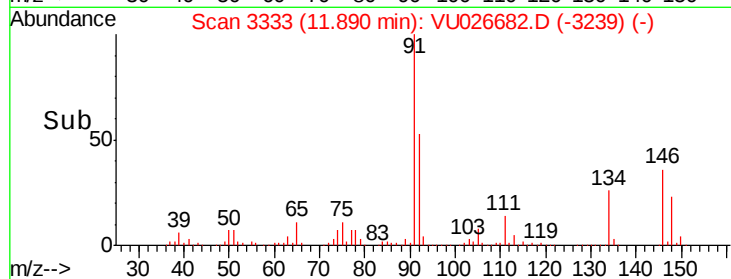
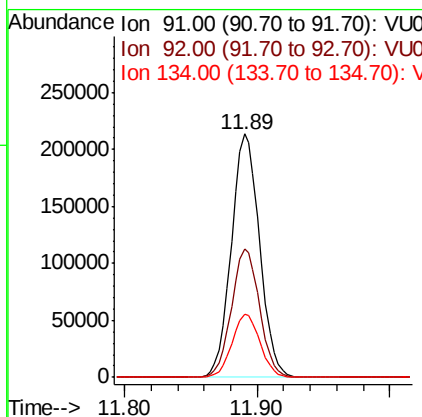
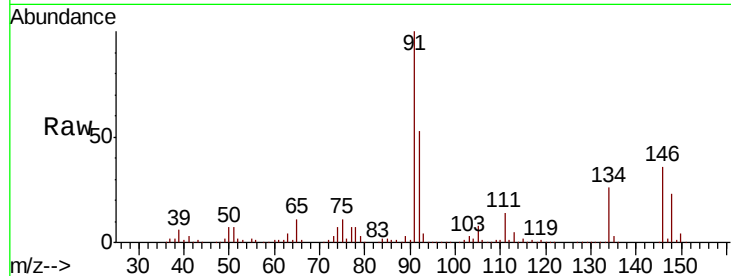
#89
n-Butylbenzene
Concen: 50.78 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.8	77.3
134	25.7	12.6	37.8

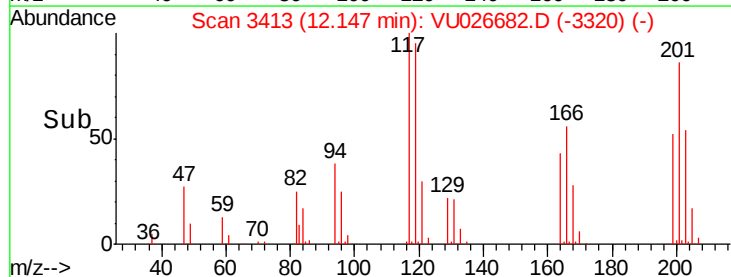
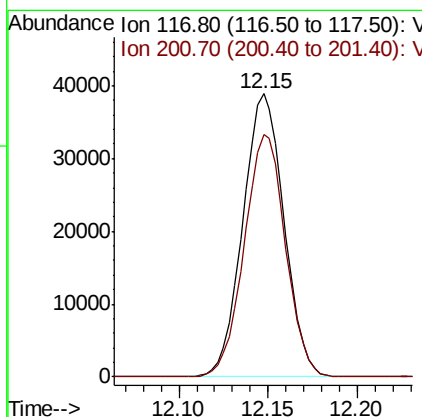
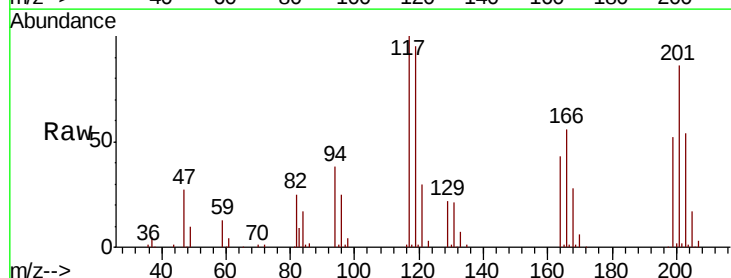
Manual Integrations
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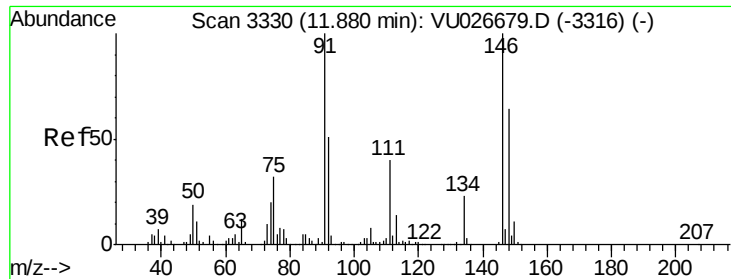
MMDadoda
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#90
Hexachloroethane
Concen: 50.26 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.4	127.1





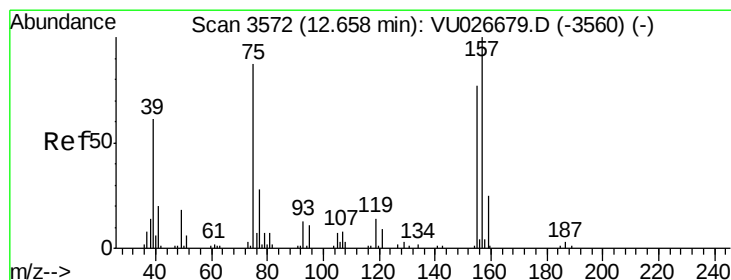
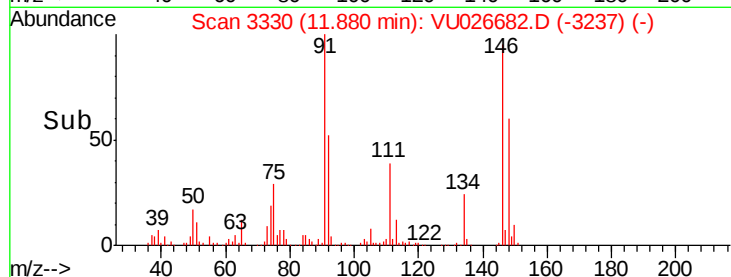
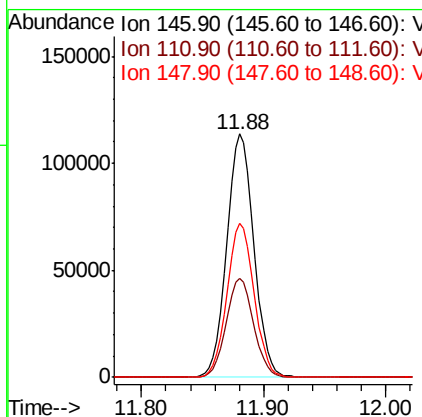
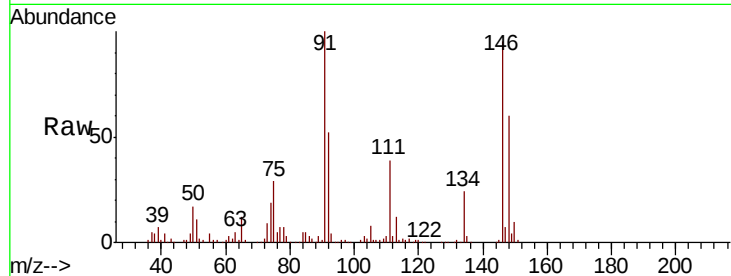
#91
 1,2-Dichlorobenzene
 Concen: 49.95 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	63.4	32.1	96.3

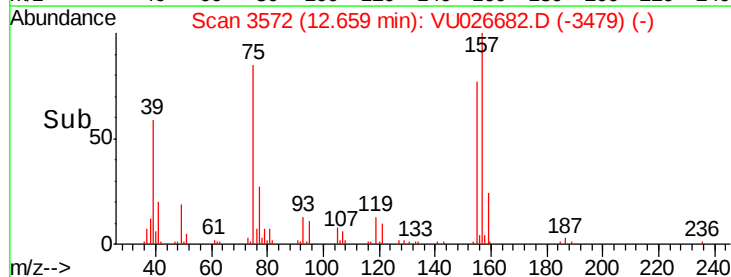
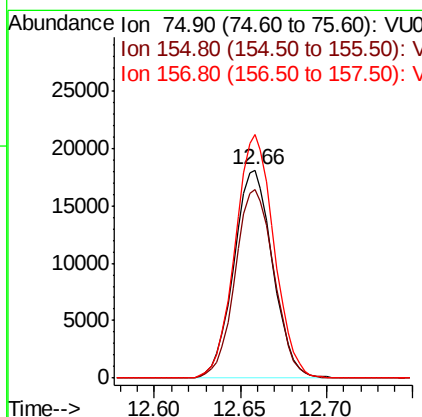
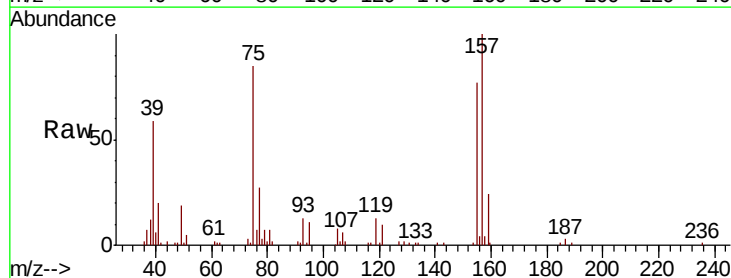
Manual Integrations
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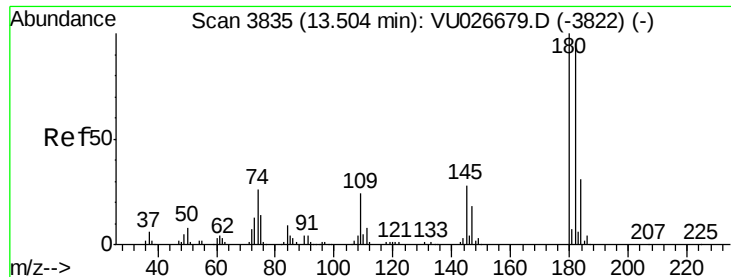
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.26 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	44.1	132.4
157	116.5	57.2	171.6





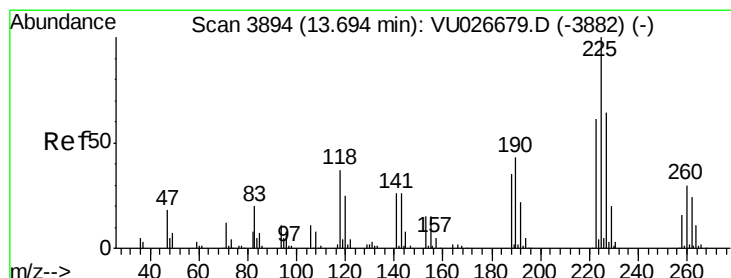
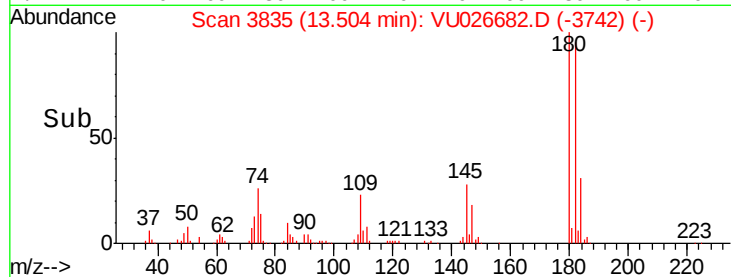
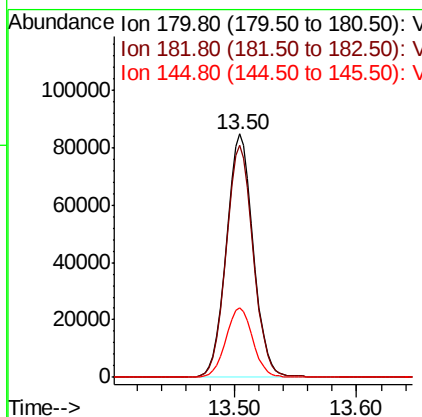
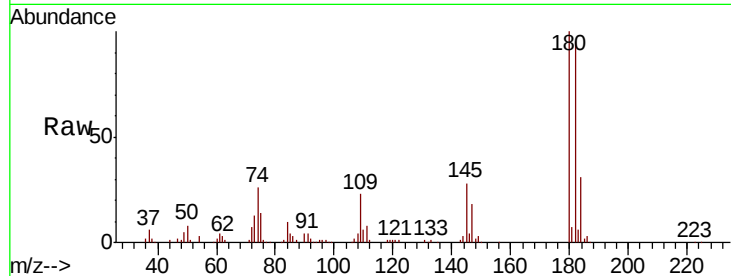
#93
 1,2,4-Trichlorobenzene
 Concen: 55.62 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131198		
182	95.7	47.9	143.7	
145	28.7	14.0	42.0	

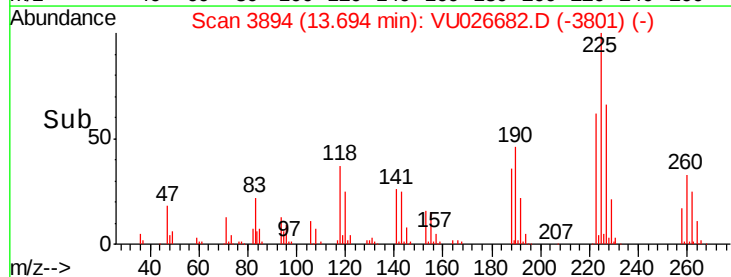
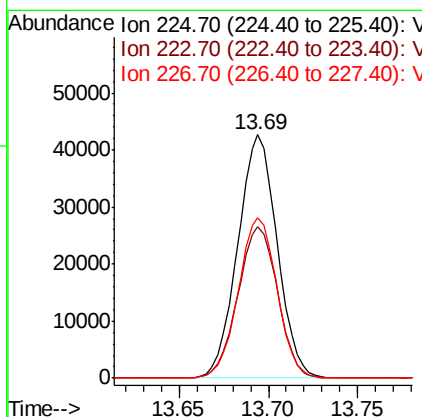
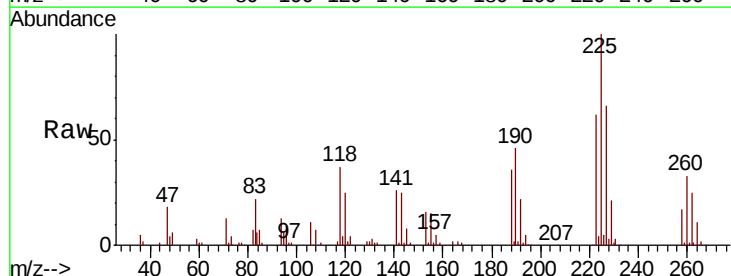
Manual Integrations
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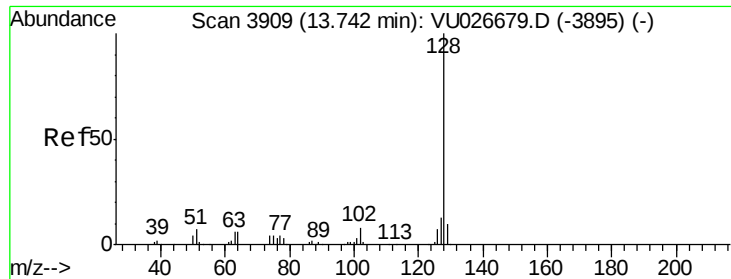
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#94
 Hexachlorobutadiene
 Concen: 53.95 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026682.D
 Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65461		
223	62.8	30.6	92.0	
227	64.6	32.1	96.3	





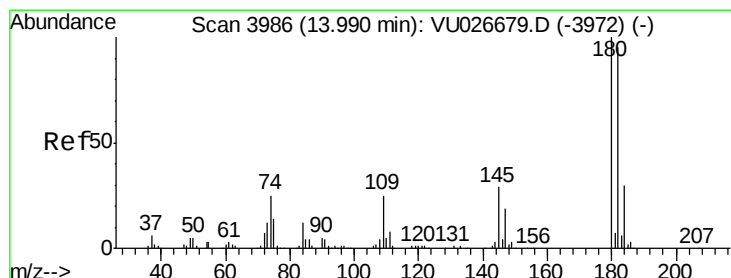
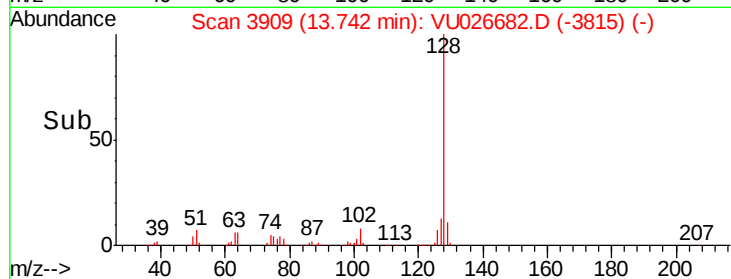
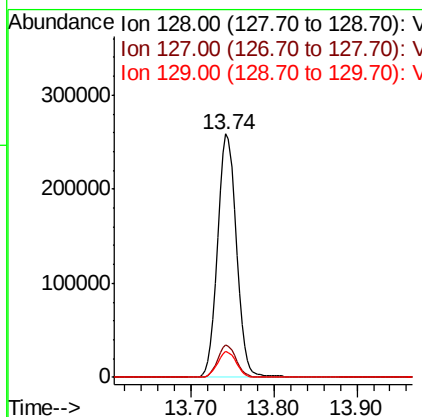
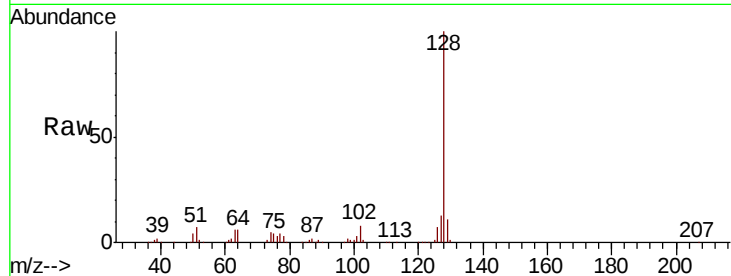
#95
Naphthalene
Concen: 51.23 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :
ICVVU091218

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
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9/13/2018 4:48:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.83 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU026682.D
Acq: 11 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	29.6	14.9	44.9

