

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025893.D
 Acq On : 06 Aug 2018 18:04
 Operator : MD/SY
 Sample : VU0806WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:39 PM

Quant Time: Aug 07 01:38:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258464	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	250284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155658	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138928	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	4.89	113	111094	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	7.57	98	386860	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	10.31	95	148529	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	39848	15.53	ug/l	98
3) Chloromethane	1.33	50	44132	17.99	ug/l	99
4) Vinyl Chloride	1.40	62	42700	18.50	ug/l	97
5) Bromomethane	1.63	94	25316	22.45	ug/l	99
6) Chloroethane	1.70	64	26767	19.83	ug/l	97
7) Trichlorofluoromethane	1.89	101	66111	19.81	ug/l	99
8) Diethyl Ether	2.10	74	23955	19.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40243	20.83	ug/l	96
10) Methyl Iodide	2.41	142	30443	22.59	ug/l	100
11) Tert butyl alcohol	2.83	59	53259	91.94	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36449	19.99	ug/l	98
13) Acrolein	2.19	56	34387	163.20	ug/l	99
14) Allyl chloride	2.59	41	61449	18.75	ug/l	99
15) Acrylonitrile	2.94	53	124970	108.05	ug/l	95
16) Acetone	2.32	43	142758	110.66	ug/l	98
17) Carbon Disulfide	2.48	76	114158	19.35	ug/l	100
18) Methyl Acetate	2.62	43	59269	19.09	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	136906	20.72	ug/l	99
20) Methylene Chloride	2.70	84	44958	19.66	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41839	19.85	ug/l	97
22) Diisopropyl ether	3.58	45	133661	20.70	ug/l	95
23) Vinyl Acetate	3.53	43	583838	103.75	ug/l	99
24) 1,1-Dichloroethane	3.45	63	79538	20.52	ug/l	100
25) 2-Butanone	4.27	43	219052	124.74	ug/l	100
26) 2,2-Dichloropropane	4.23	77	64931	18.43	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	45969	19.34	ug/l	96
28) Bromochloromethane	4.55	49	34377	19.84	ug/l	100
29) Tetrahydrofuran	4.64	42	108543	103.17	ug/l	99
30) Chloroform	4.68	83	83852	20.49	ug/l	100
31) Cyclohexane	5.00	56	69026	19.65	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	75343	20.45	ug/l	99
36) 1,1-Dichloropropene	5.14	75	60279	19.96	ug/l	98
37) Ethyl Acetate	4.38	43	65416	20.89	ug/l	99
38) Carbon Tetrachloride	5.14	117	67341	19.68	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	63651	18.39	ug/l	96
40) Benzene	5.39	78	174543	19.77	ug/l	99
41) Methacrylonitrile	4.55	41	35500	20.41	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68689	20.20	ug/l	99
43) Isopropyl Acetate	5.55	43	104803	20.25	ug/l	99
44) Trichloroethene	6.19	130	48633	19.78	ug/l	99
45) 1,2-Dichloropropane	6.44	63	46131	20.03	ug/l	99
46) Dibromomethane	6.56	93	33983	20.37	ug/l	97
47) Bromodichloromethane	6.76	83	65028	20.43	ug/l	98
48) Methyl methacrylate	6.63	41	50514	19.91	ug/l	98
49) 1,4-Dioxane	6.62	88	21898	354.75	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	415524	128.24	ug/l	99
52) Toluene	7.64	92	112989	20.60	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	68970	19.30	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	73759	20.09	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45834	20.11	ug/l	97
56) Ethyl methacrylate	8.02	69	65073	19.98	ug/l	97
57) 1,3-Dichloropropane	8.25	76	75813	19.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	117822	84.70	ug/l	100
59) 2-Hexanone	8.36	43	311744	122.74	ug/l	99
60) Dibromochloromethane	8.48	129	53069	19.74	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51326	20.25	ug/l	99
64) Tetrachloroethene	8.23	164	46172	20.96	ug/l	97
65) Chlorobenzene	9.12	112	127030	19.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	48922	20.96	ug/l	97
67) Ethyl Benzene	9.25	91	210112	19.66	ug/l	100
68) m/p-Xylenes	9.38	106	166148	40.49	ug/l	100
69) o-Xylene	9.78	106	78872	19.67	ug/l	99
70) Styrene	9.80	104	131595	20.31	ug/l	97
71) Bromoform	9.96	173	40129	19.83	ug/l #	100
73) Isopropylbenzene	10.17	105	215224	20.26	ug/l	97
74) N-amyl acetate	10.02	43	86512	19.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73448	19.99	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	62498m	18.22	ug/l	
77) Bromobenzene	10.45	156	59051	20.15	ug/l	98
78) n-propylbenzene	10.59	91	249804	20.15	ug/l	100
79) 2-Chlorotoluene	10.66	91	150227	20.68	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	183817	20.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	19759m	14.45	ug/l	
82) 4-Chlorotoluene	10.78	91	174543	20.39	ug/l	98
83) tert-Butylbenzene	11.10	119	170465	19.02	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	188710	20.64	ug/l	98
85) sec-Butylbenzene	11.33	105	213162	19.48	ug/l	100
86) p-Isopropyltoluene	11.48	119	191404	19.53	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	109272	20.09	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109290	19.28	ug/l	98
89) n-Butylbenzene	11.89	91	166188	18.38	ug/l	98
90) Hexachloroethane	12.15	117	32219	18.49	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	105604	19.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17508	20.10	ug/l	95

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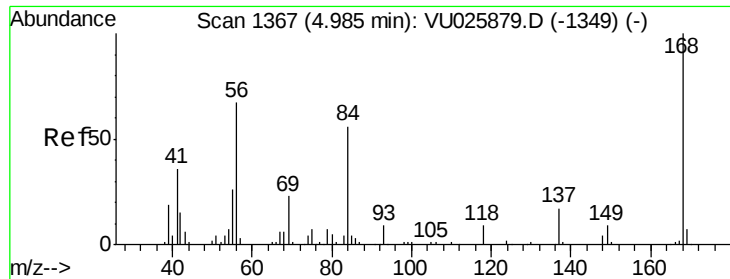
Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:39 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	66342	18.44	ug/l	98
94) Hexachlorobutadiene	13.70	225	31452	16.58	ug/l	98
95) Naphthalene	13.75	128	200014	18.12	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	69893	19.47	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion:168 Resp: 169819

Ion Ratio Lower Upper

168 100

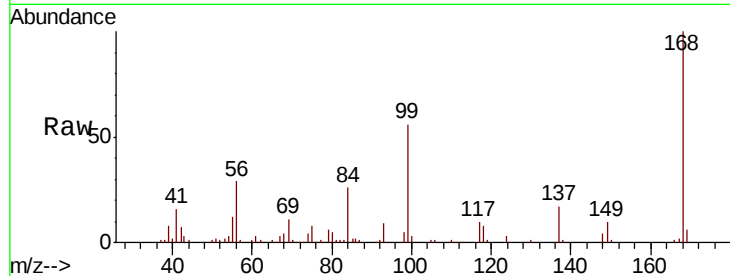
99 55.4 42.8 64.2

Manual Integrations

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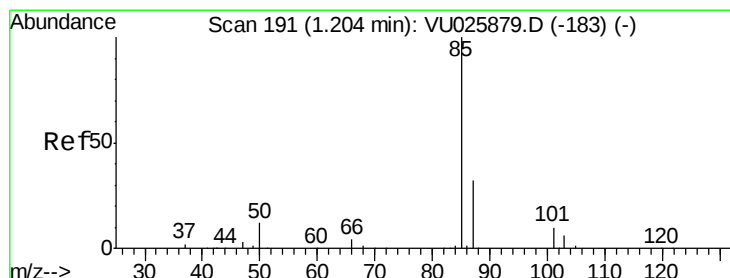
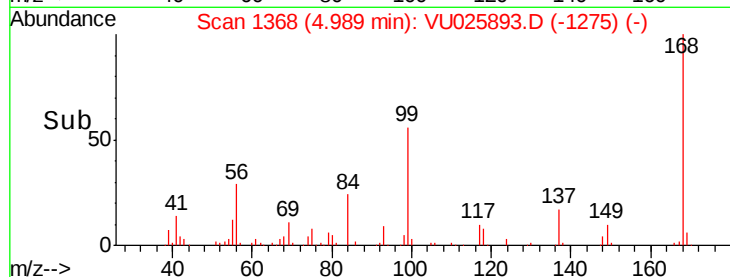
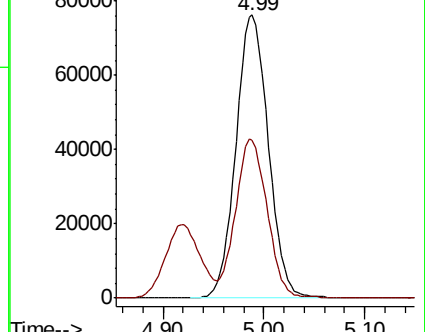
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Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025893.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 15.53 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025893.D

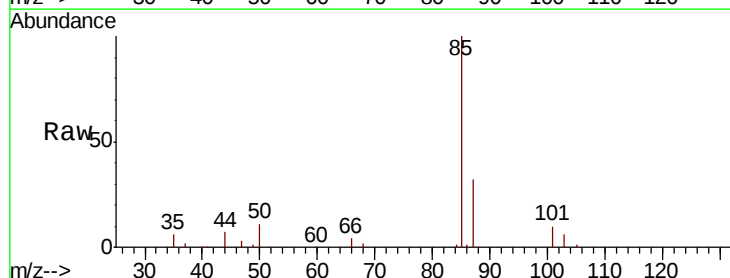
Acq: 06 Aug 2018 18:04

Tgt Ion: 85 Resp: 39848

Ion Ratio Lower Upper

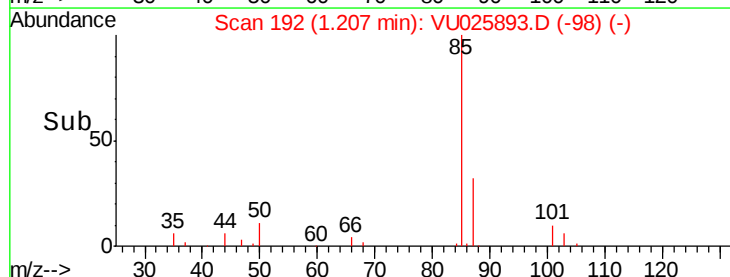
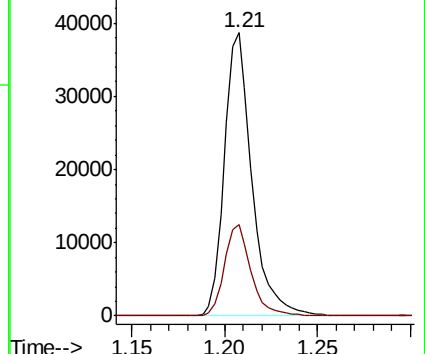
85 100

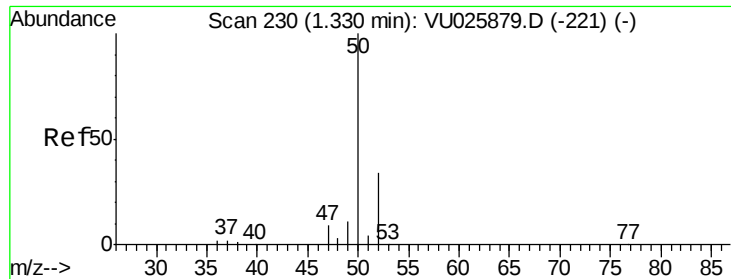
87 32.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025879.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025893.D (-98) (-)





#3

Chloromethane

Concen: 17.99 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 50 Resp: 44132

Ion Ratio Lower Upper

50 100

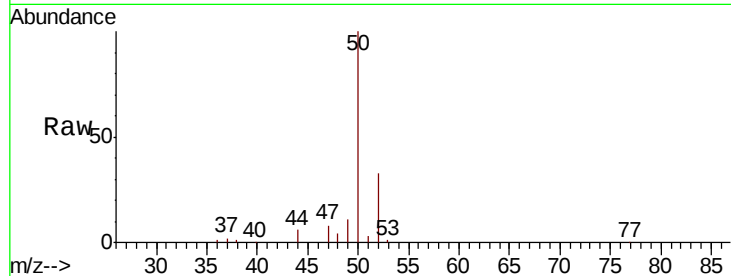
52 32.6 26.5 39.7

Manual Integrations

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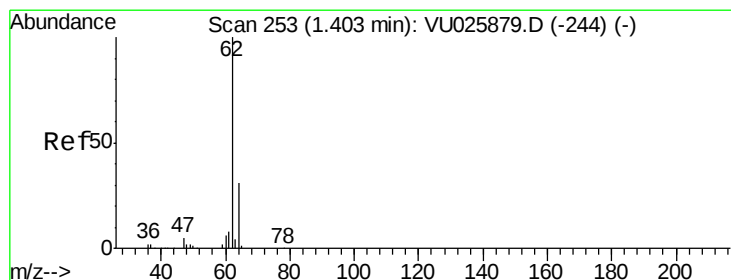
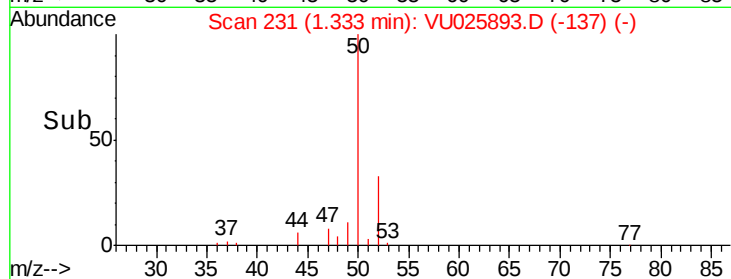
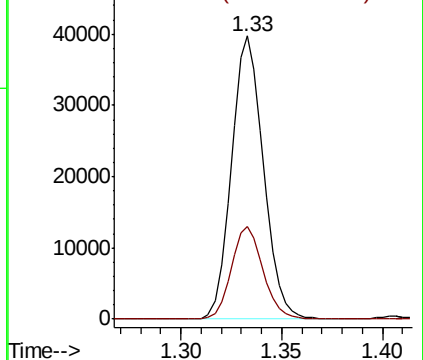
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.50 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025893.D

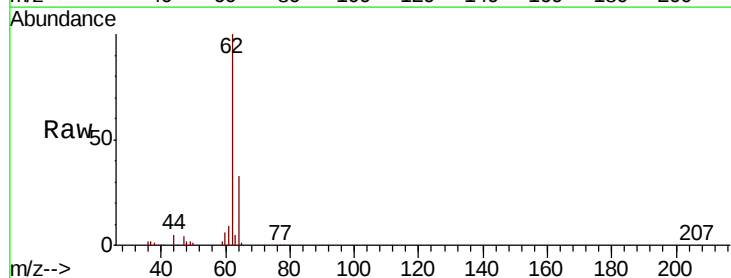
Acq: 06 Aug 2018 18:04

Tgt Ion: 62 Resp: 42700

Ion Ratio Lower Upper

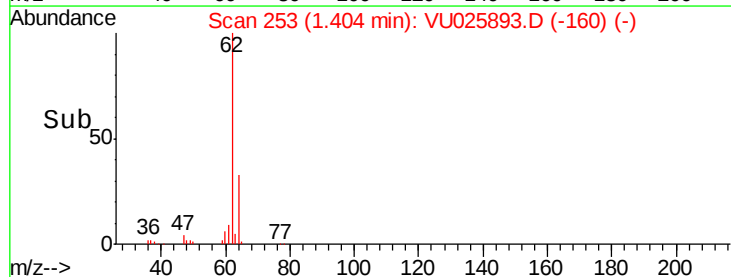
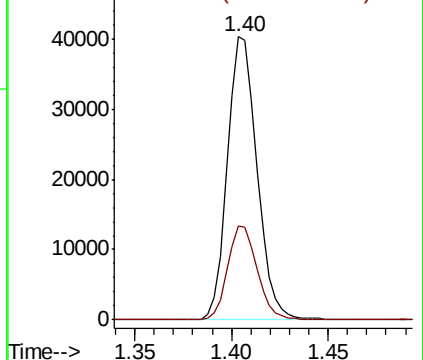
62 100

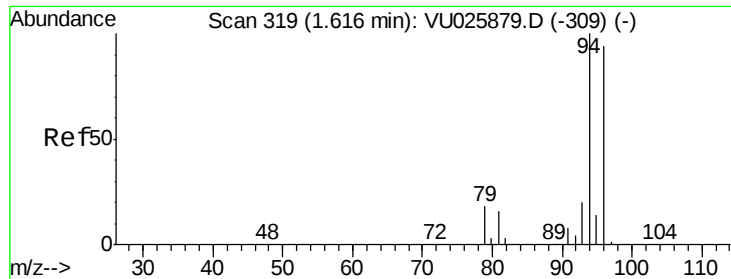
64 33.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.45 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 94 Resp: 25316

Ion Ratio Lower Upper

94 100

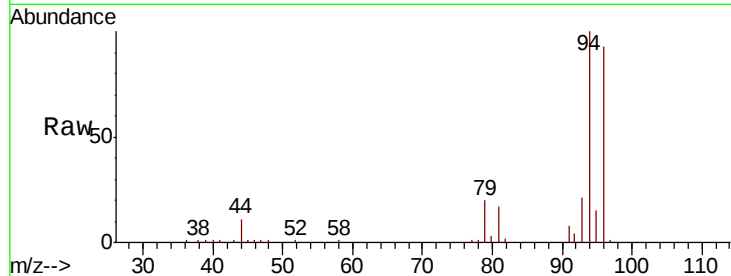
96 92.9 75.0 112.4

Manual Integrations

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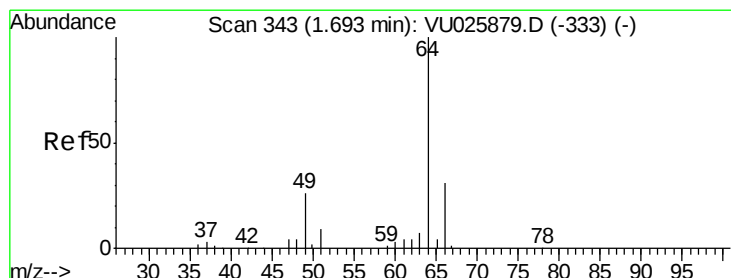
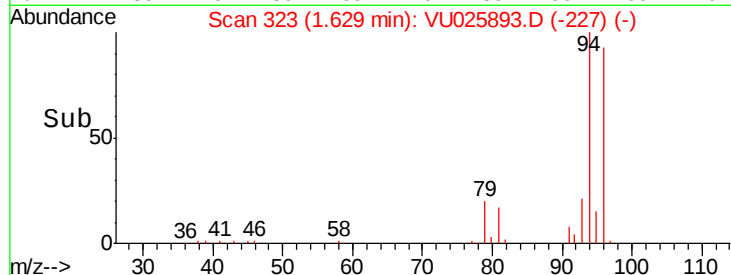
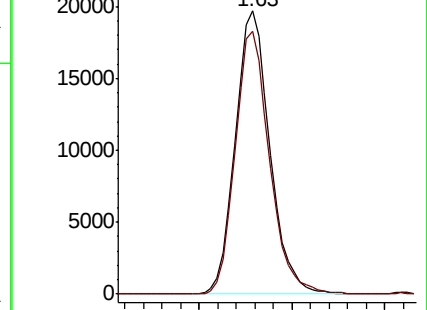
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Abundance Ion 93.90 (93.60 to 94.60): VU025893.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025893.D (-227) (-)



#6

Chloroethane

Concen: 19.83 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025893.D

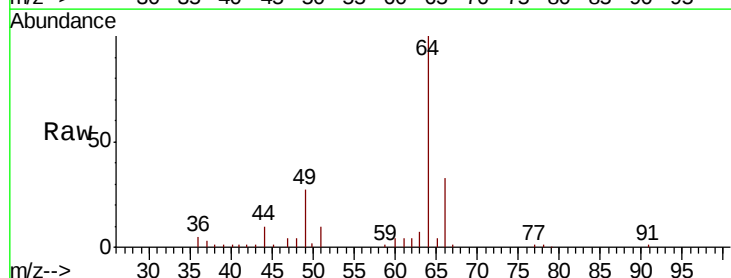
Acq: 06 Aug 2018 18:04

Tgt Ion: 64 Resp: 26767

Ion Ratio Lower Upper

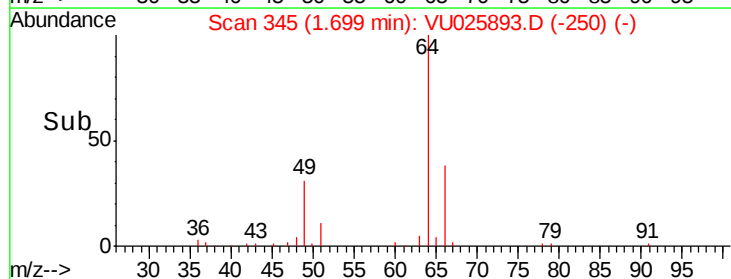
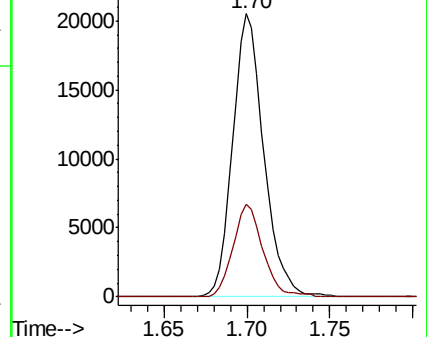
64 100

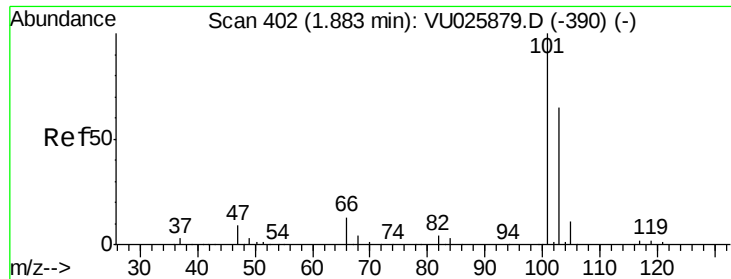
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025893.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025893.D (-250) (-)





#7

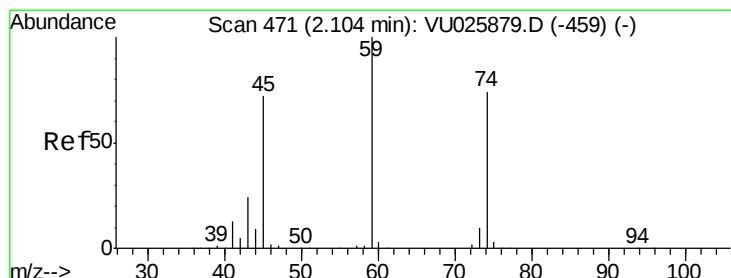
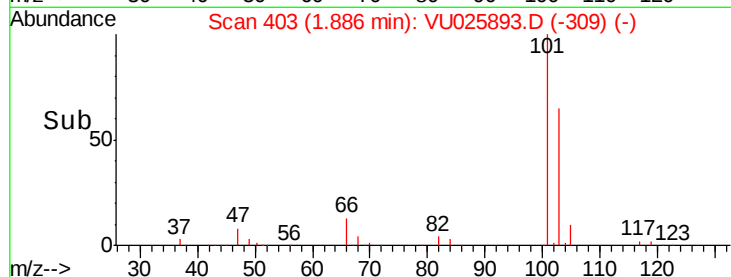
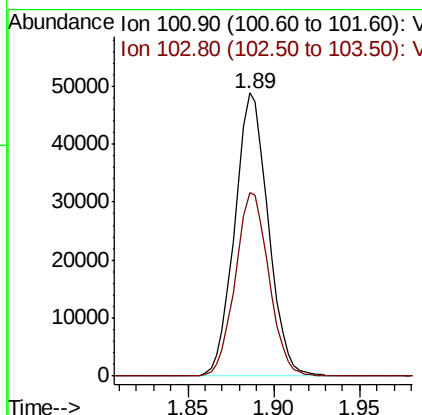
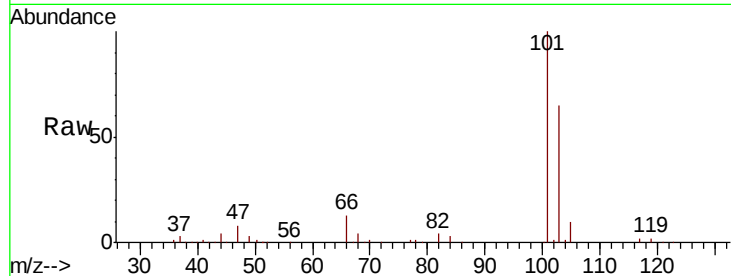
Trichlorofluoromethane
 Concen: 19.81 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
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 VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

Manual Integrations
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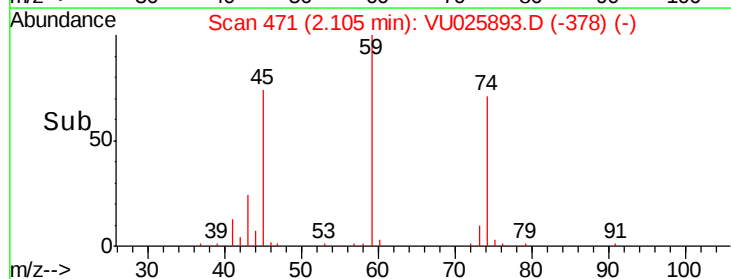
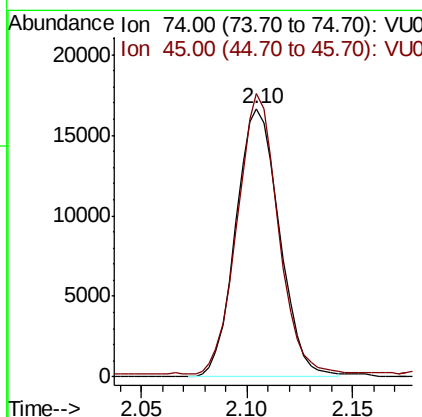
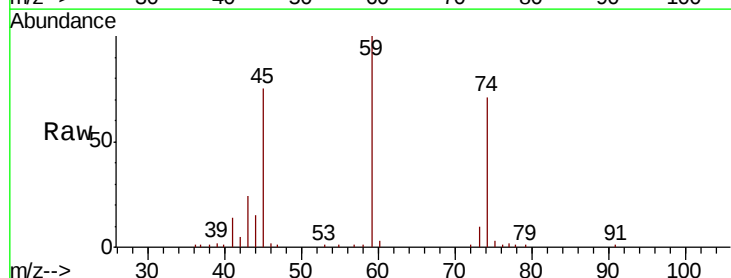
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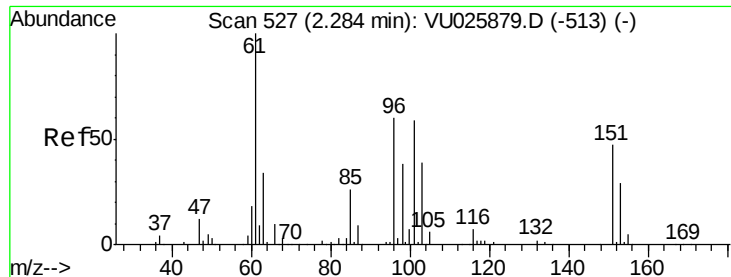


#8

Diethyl Ether
 Concen: 19.83 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.83 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

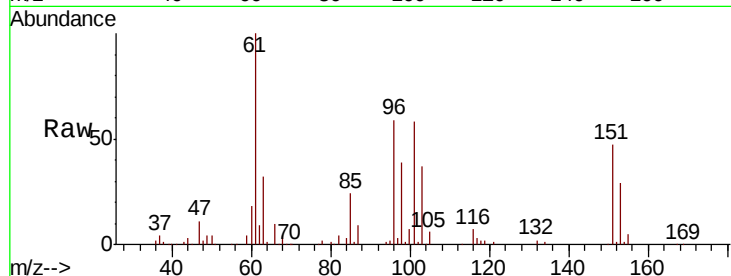
ClientSampleId :

VU0806WBSD01

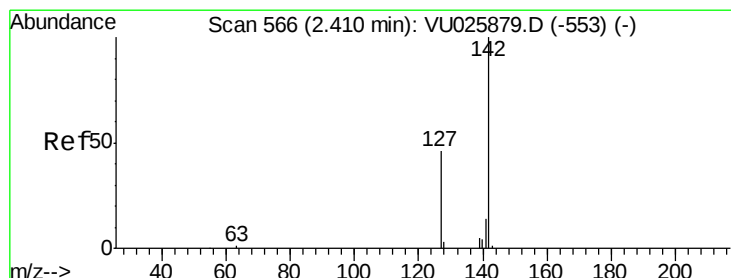
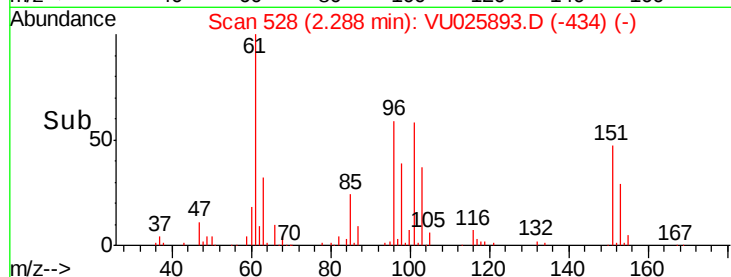
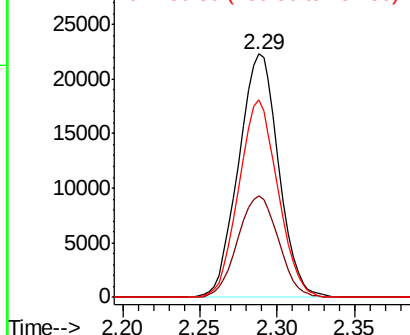
Tot Ion:	101	Resp:	40243
Ion Ratio	Lower	Upper	
101	100		
85	42.2	36.0	54.0
151	79.0	65.6	98.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.59 ug/l

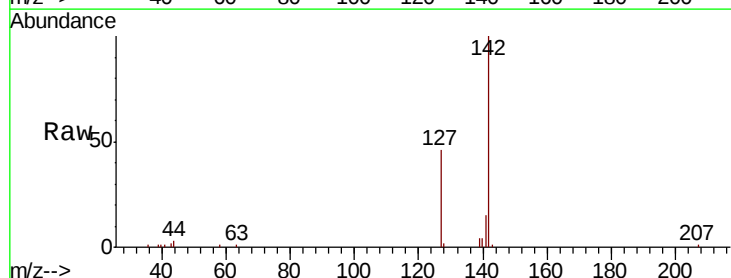
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

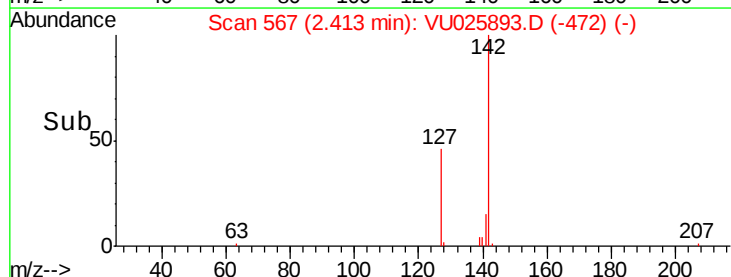
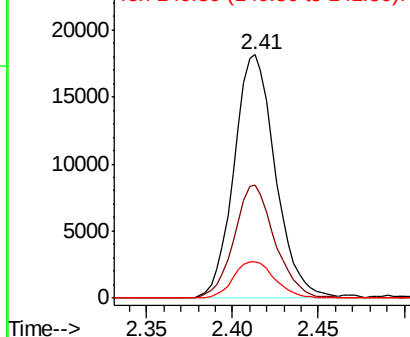
Lab File: VU025893.D

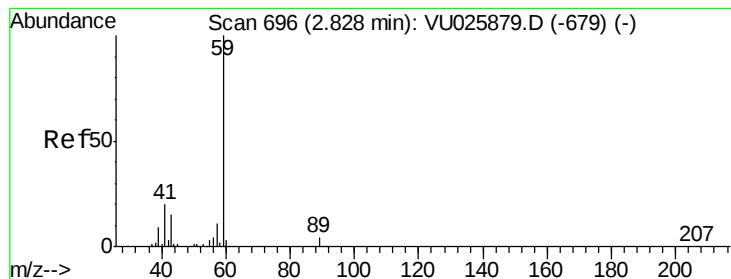
Acq: 06 Aug 2018 18:04

Tgt Ion:	142	Resp:	30443
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.5	54.7
141	15.0	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

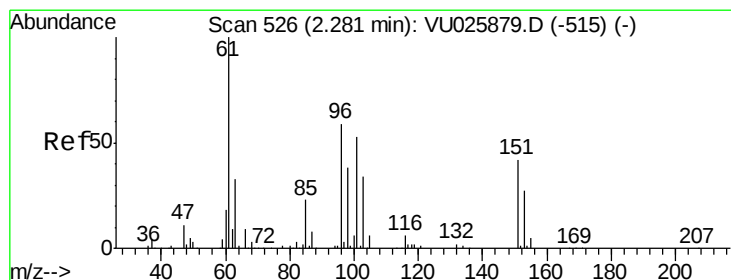
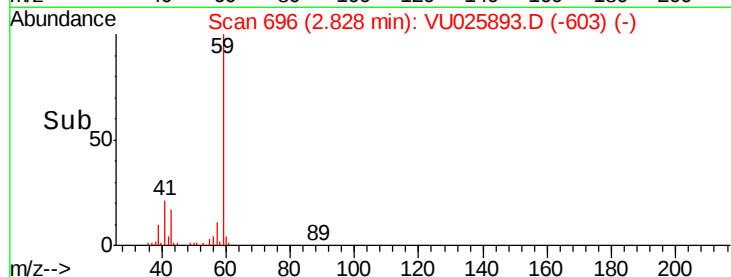
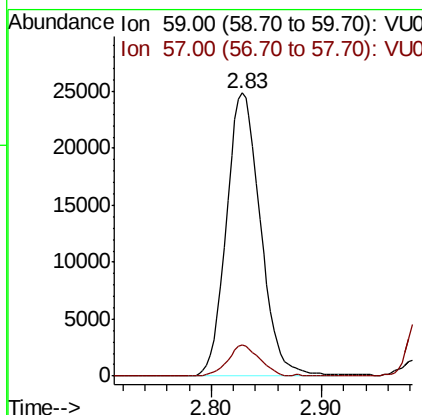
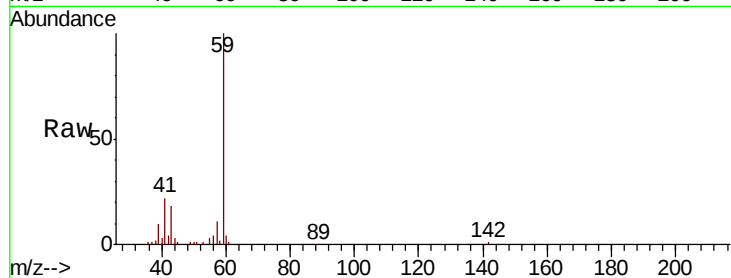
Tert butyl alcohol
 Concen: 91.94 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	59.00 (58.70 to 59.70): VU0	Resp	53259
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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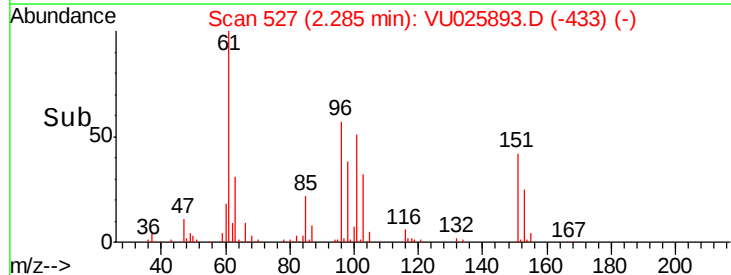
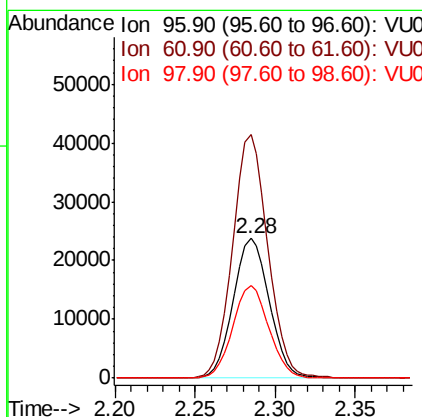
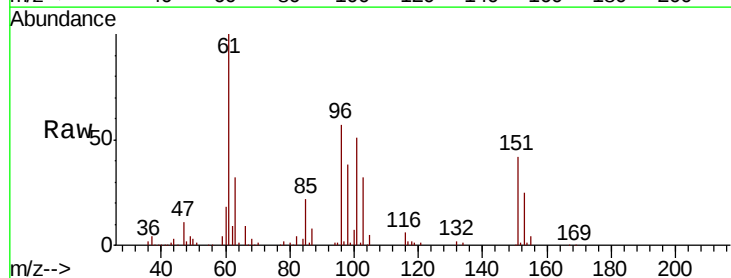
MMDadoda
 8/7/2018 1:51:39 PM

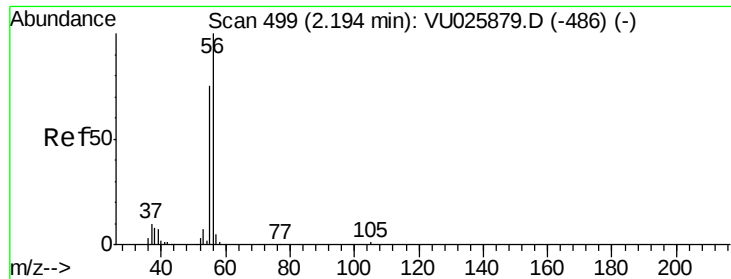


#12

1,1-Dichloroethene
 Concen: 19.99 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	96	Resp	36449
Ion	Ratio	Lower	Upper
96	100		
61	174.5	140.2	210.4
98	66.4	49.3	73.9





#13

Acrolein

Concen: 163.20 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 56 Resp: 34387

Ion Ratio Lower Upper

56 100

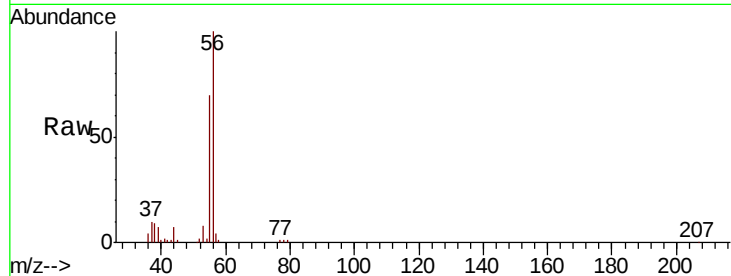
55 70.8 57.2 85.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

25000

20000

15000

10000

5000

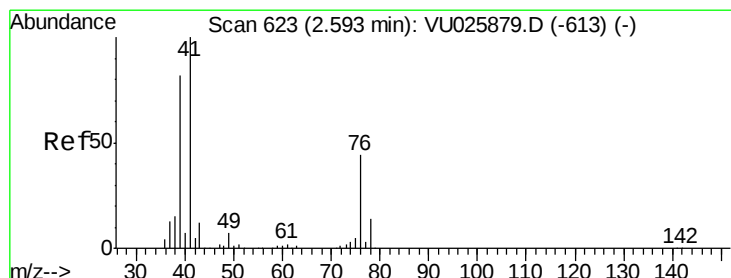
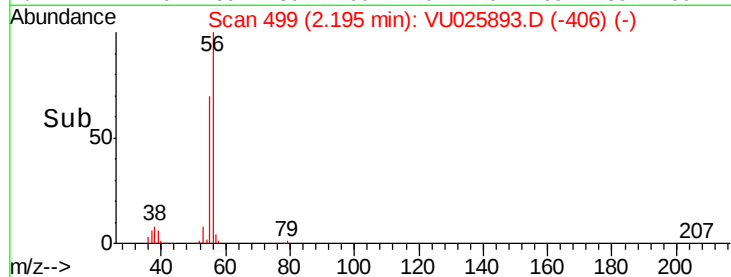
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 18.75 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

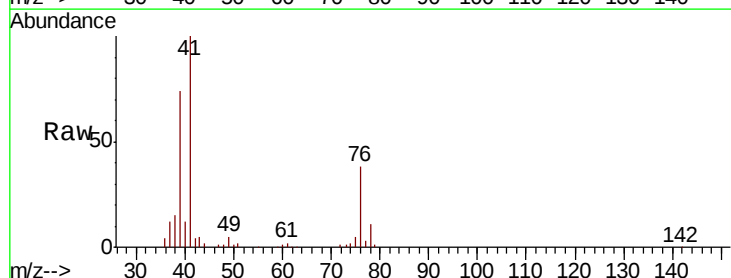
Tgt Ion: 41 Resp: 61449

Ion Ratio Lower Upper

41 100

39 74.4 60.6 91.0

76 38.4 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

40000

30000

20000

10000

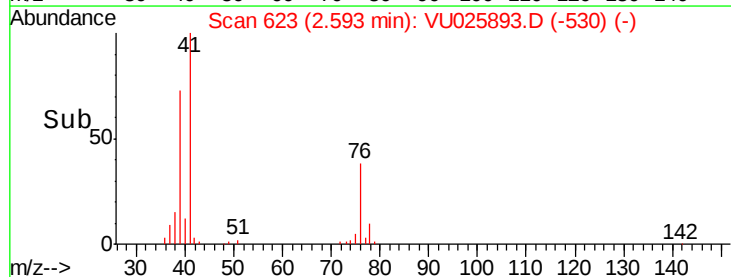
0

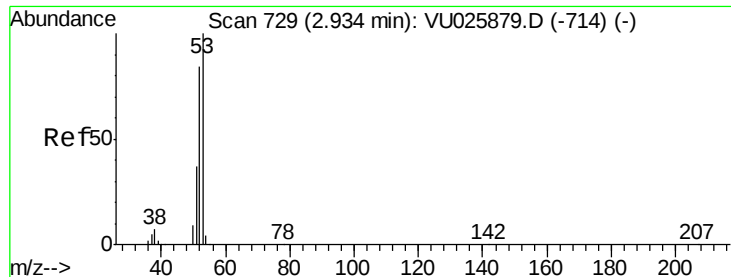
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 108.05 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

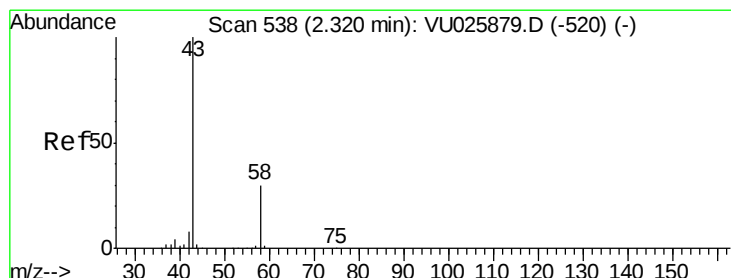
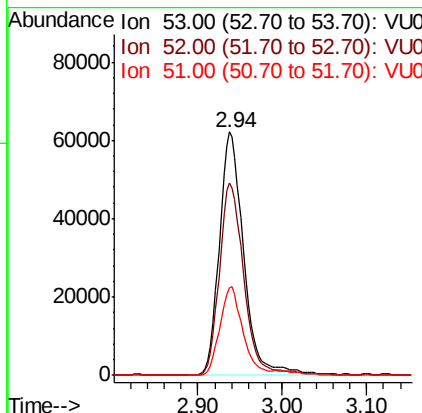
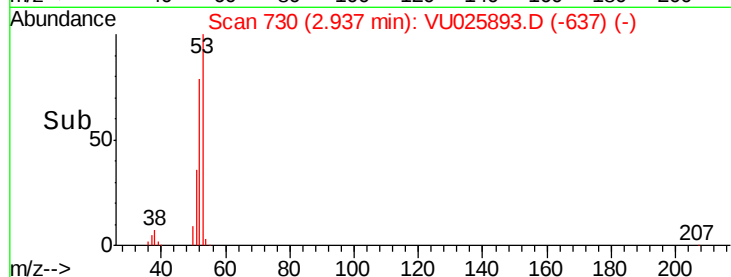
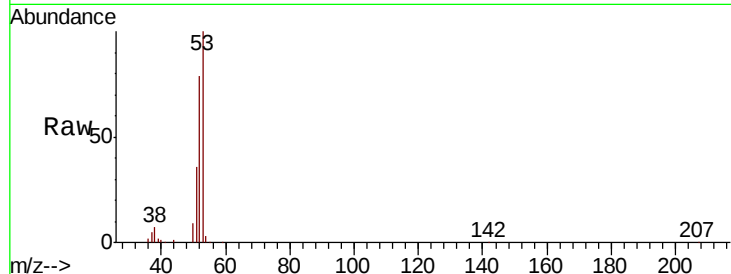
ClientSampleId :

VU0806WBSD01

Tot Ion:	53	Resp:	124970
Ion	Ratio	Lower	Upper
53	100		
52	79.1	66.6	99.8
51	34.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 110.66 ug/l

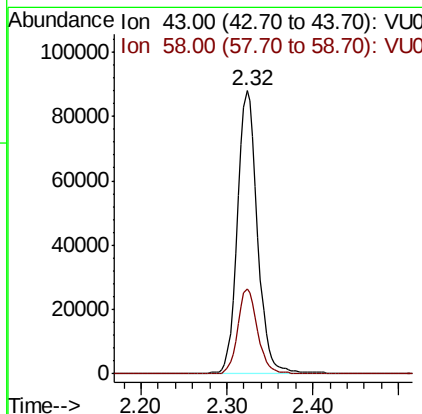
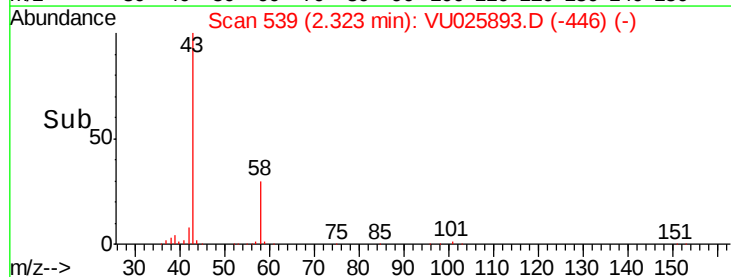
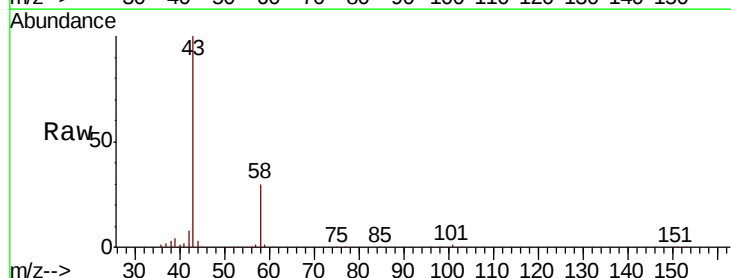
RT: 2.32 min Scan# 539

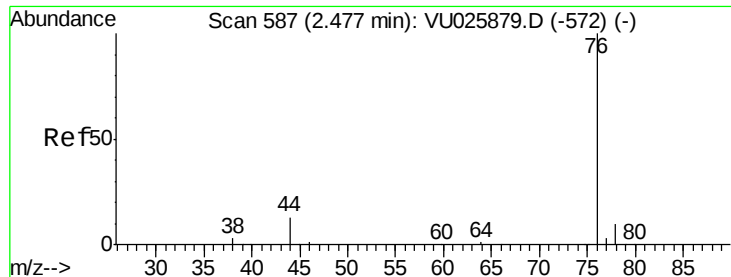
Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion:	43	Resp:	142758
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.1	34.7





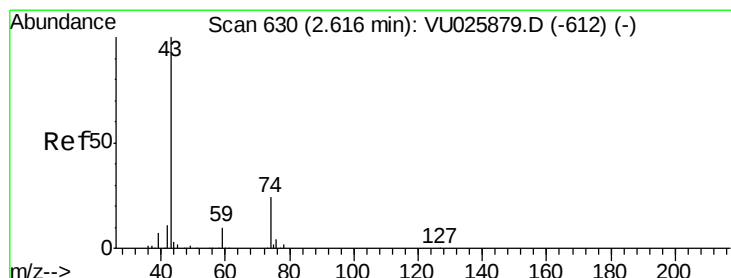
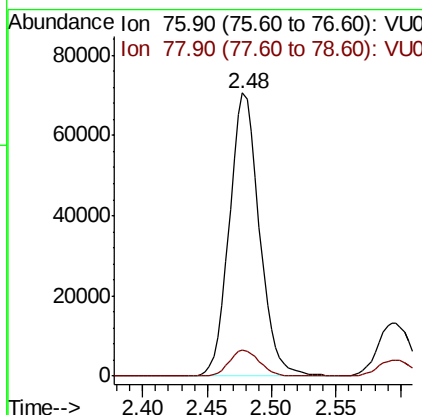
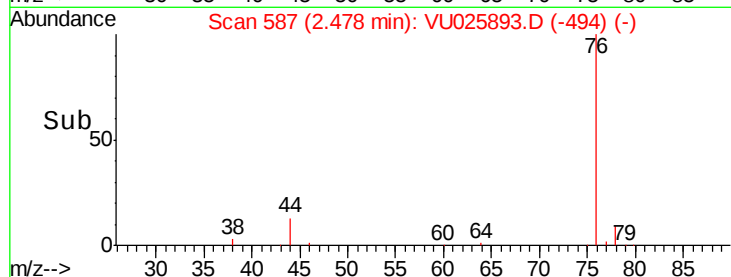
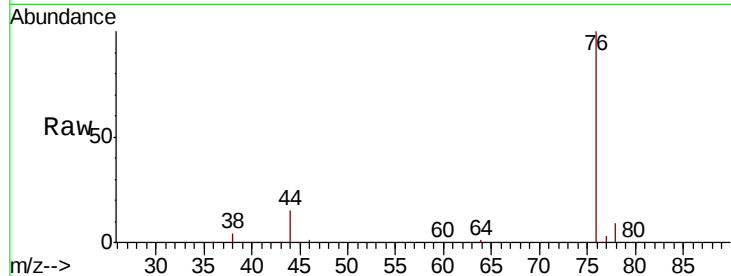
#17
Carbon Disulfide
Concen: 19.35 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

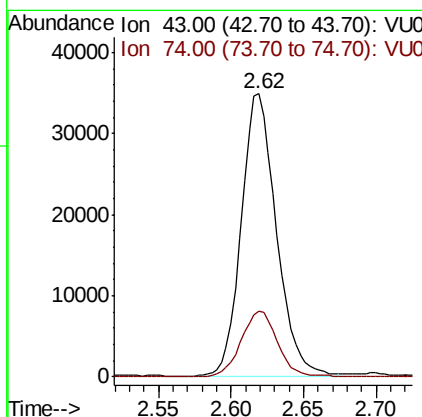
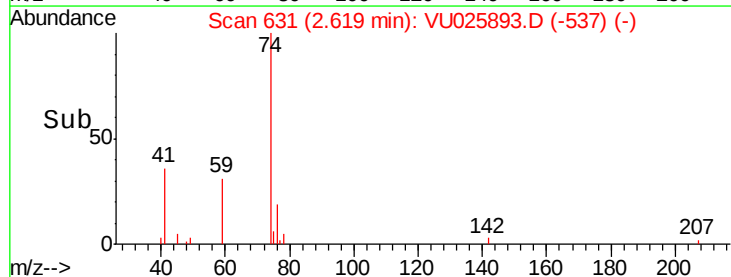
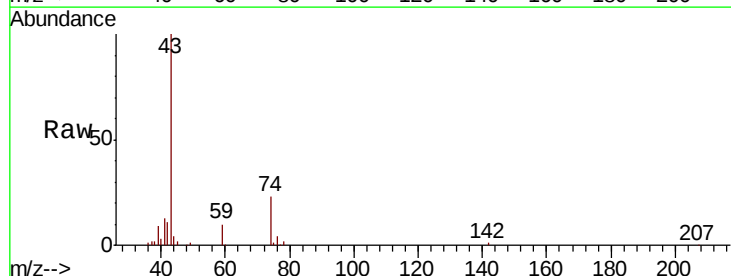
Manual Integrations
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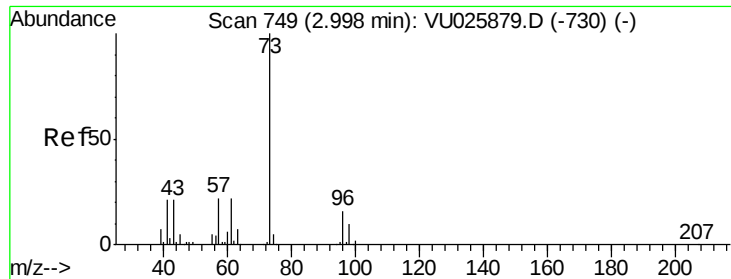
MMDadoda
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#18
Methyl Acetate
Concen: 19.09 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.5	27.7





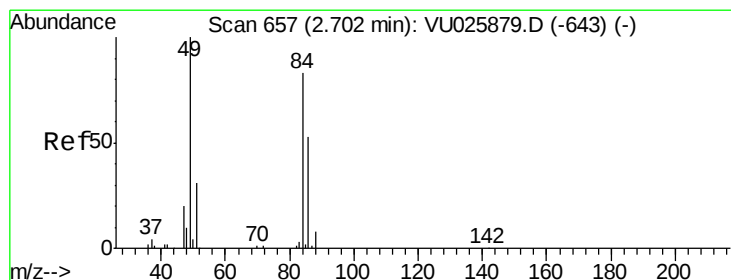
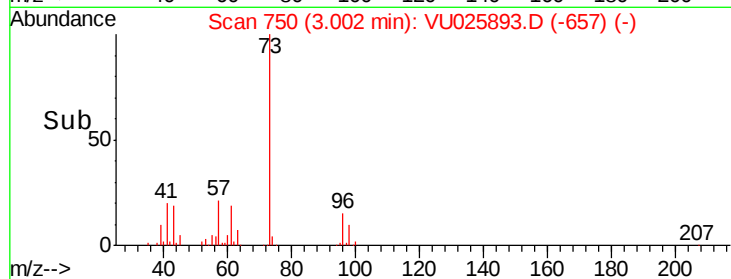
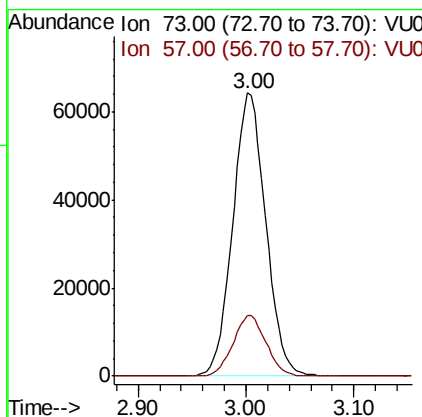
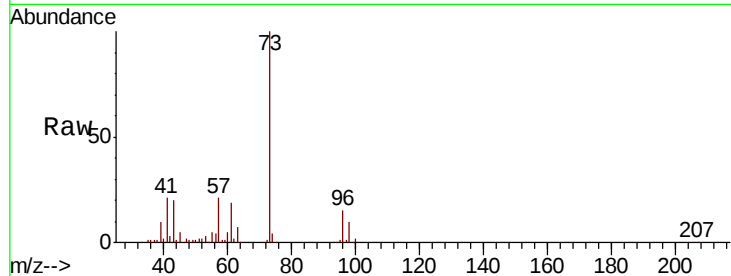
#19
Methvl tert-butvl Ether
Concen: 20.72 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.2

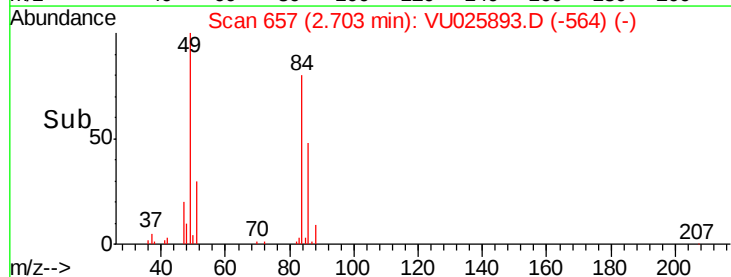
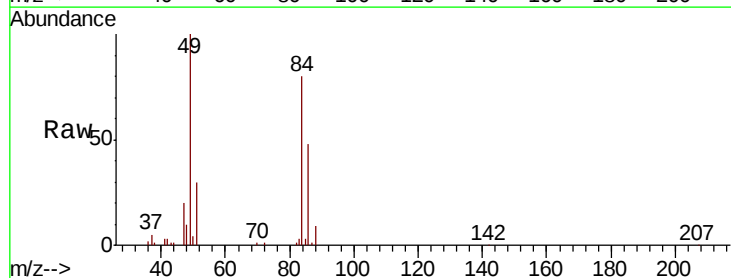
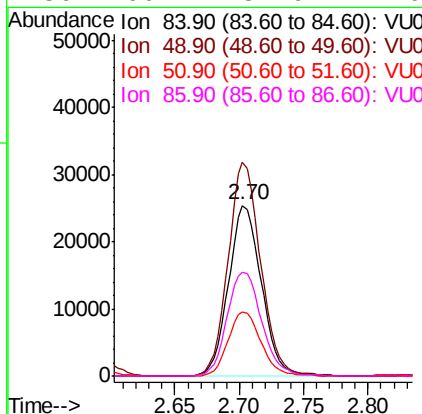
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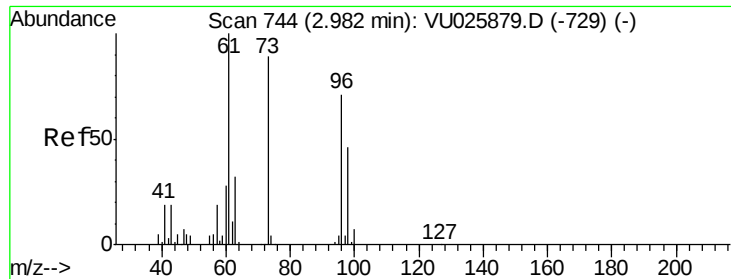
MMDadoda
8/7/2018 1:51:39 PM



#20
Methylene Chloride
Concen: 19.66 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	101.8	152.6
51	37.7	30.8	46.2
86	60.4	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.85 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

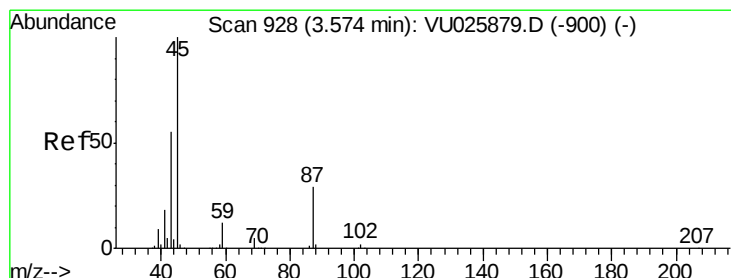
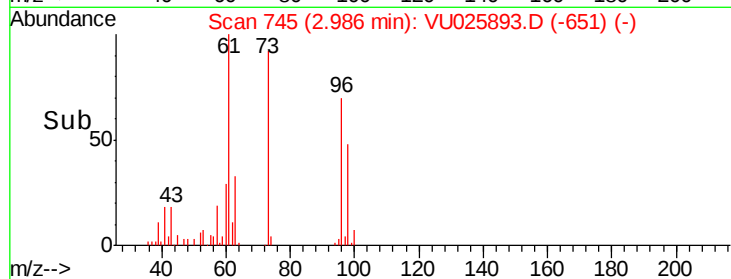
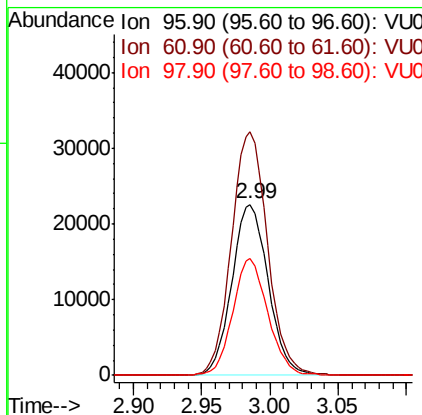
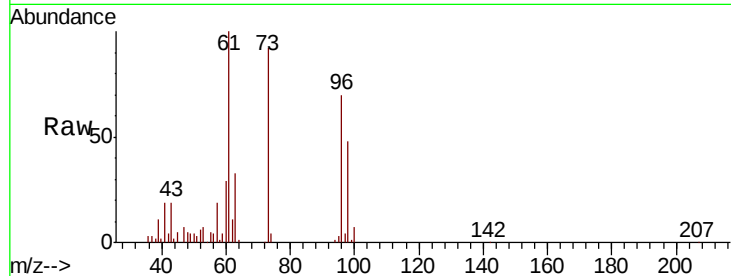
ClientSampleId :

VU0806WBSD01

Tot Ion:	96	Resp:	41839
Ion	Ratio	Lower	Upper
96	100		
61	142.2	114.5	171.7
98	68.3	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.70 ug/l

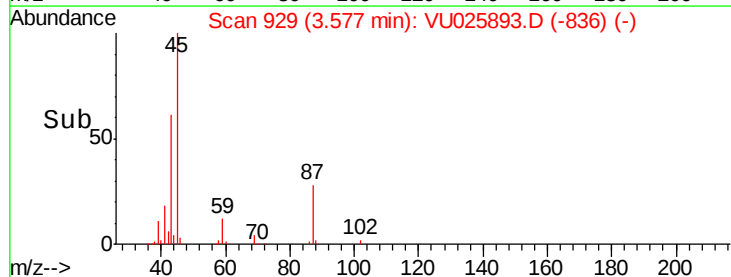
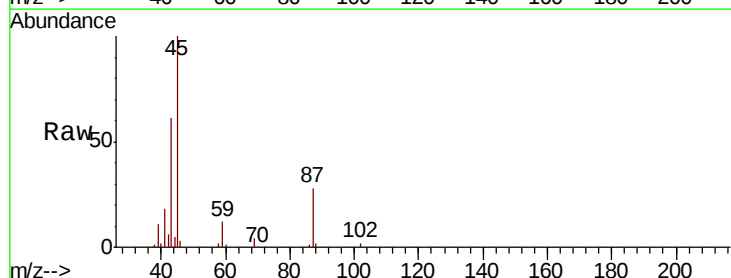
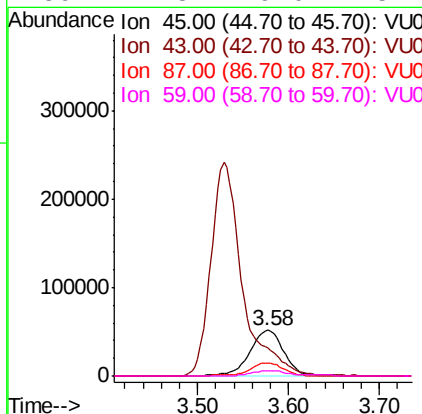
RT: 3.58 min Scan# 929

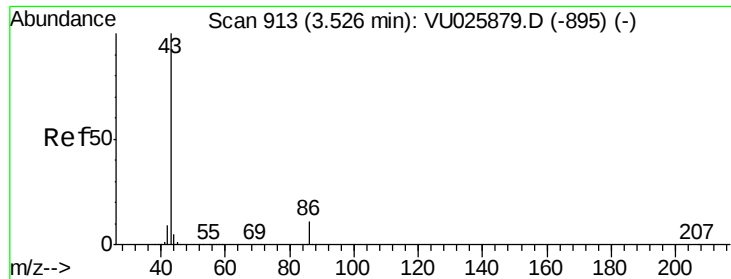
Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion:	45	Resp:	133661
Ion	Ratio	Lower	Upper
45	100		
43	58.4	50.9	76.3
87	28.4	23.8	35.8
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 103.75 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 43 Resp: 583838

Ion Ratio Lower Upper

43 100

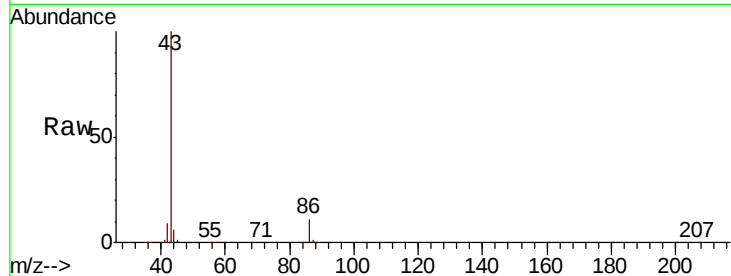
86 10.5 8.2 12.2

Manual Integrations

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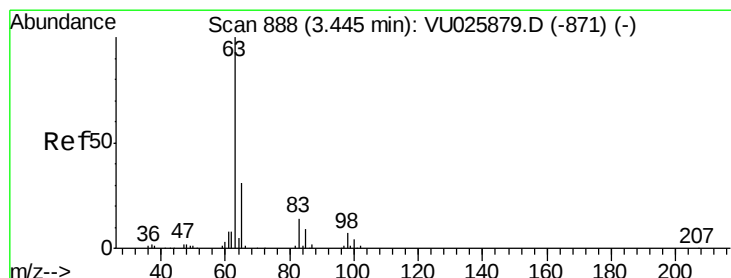
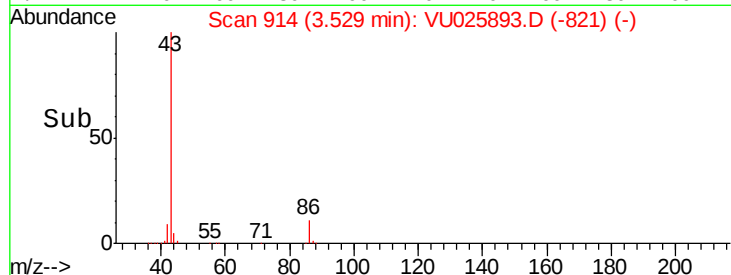
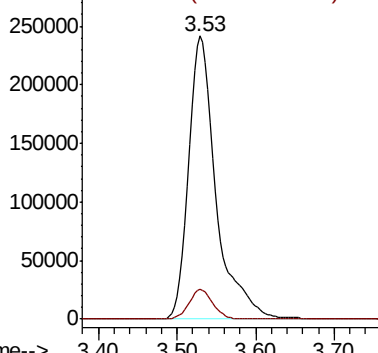
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.52 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

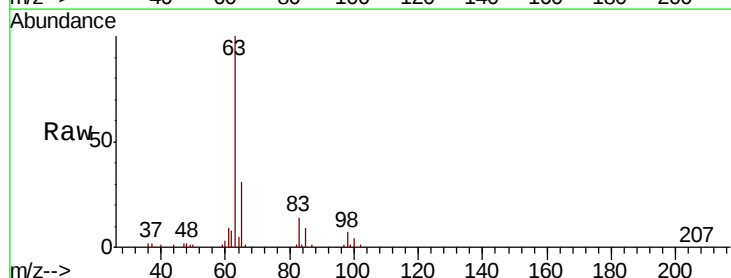
Tgt Ion: 63 Resp: 79538

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

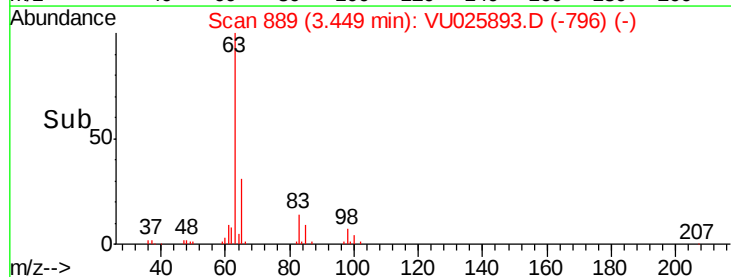
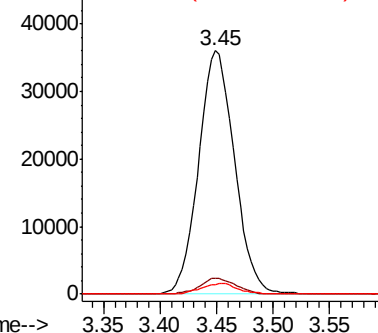
100 4.0 2.0 6.0

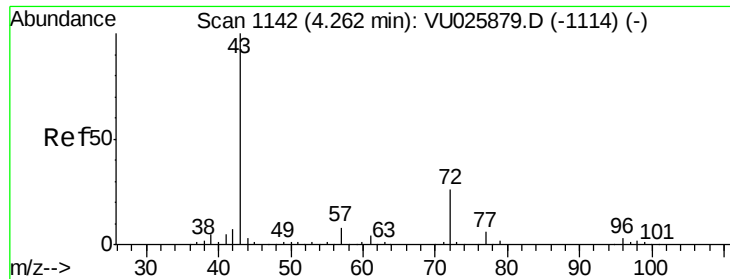


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





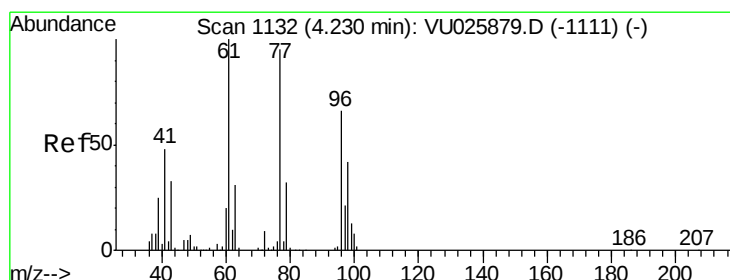
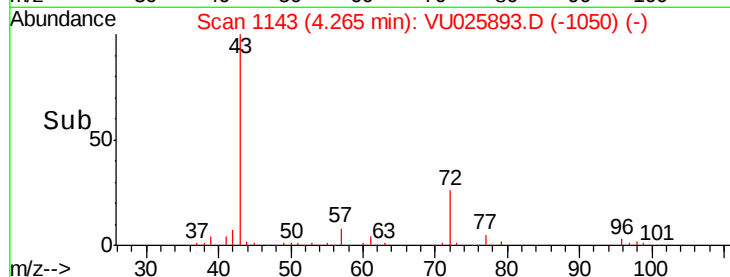
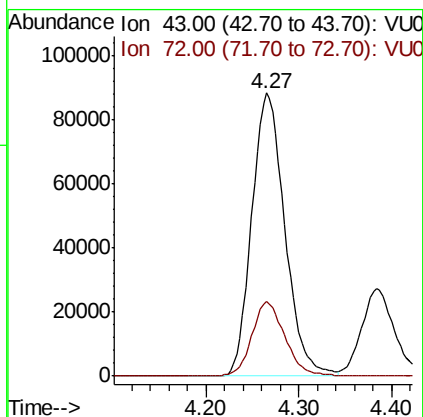
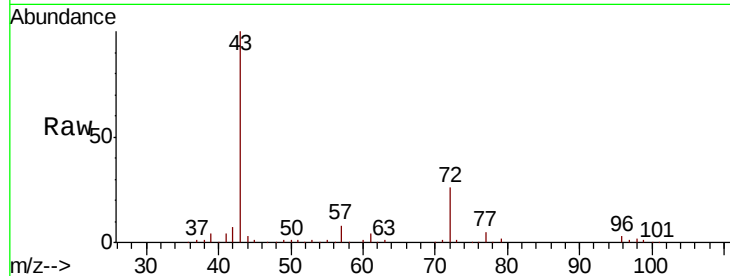
#25
2-Butanone
Concen: 124.74 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.0	31.4

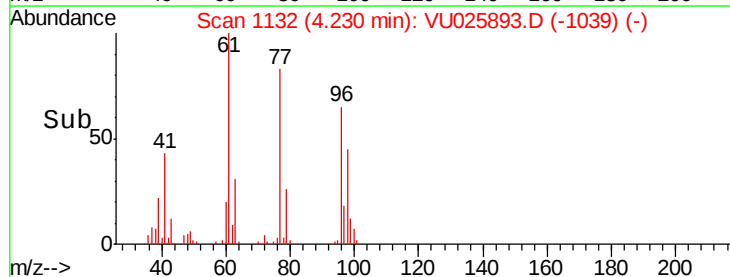
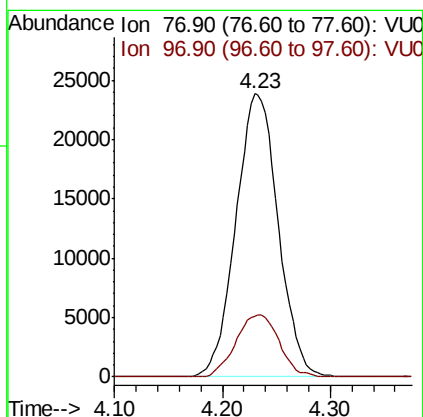
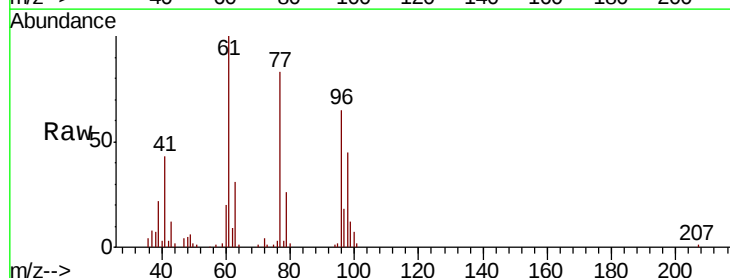
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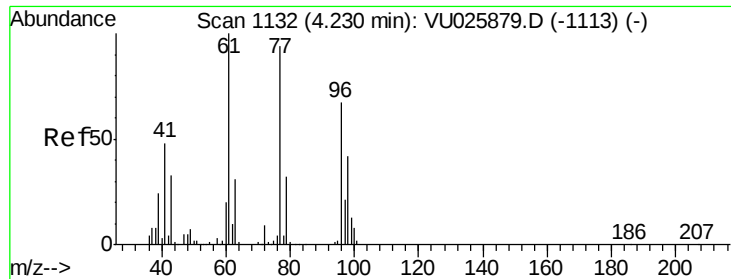
MMDadoda
8/7/2018 1:51:39 PM



#26
2,2-Dichloropropane
Concen: 18.43 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 19.34 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

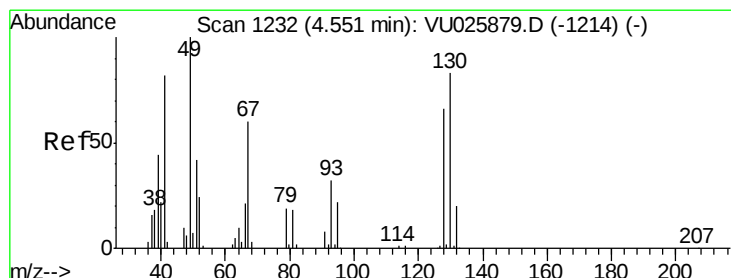
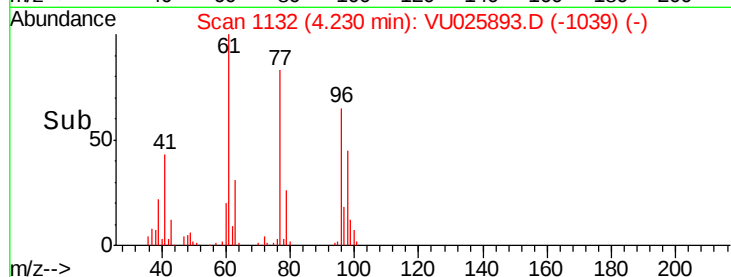
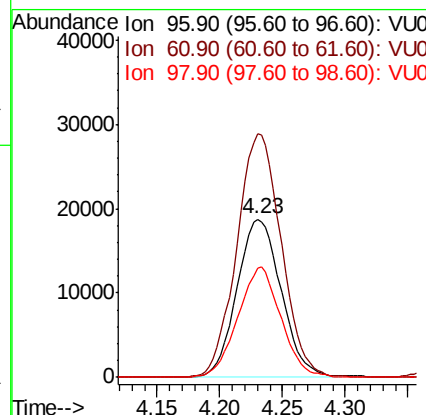
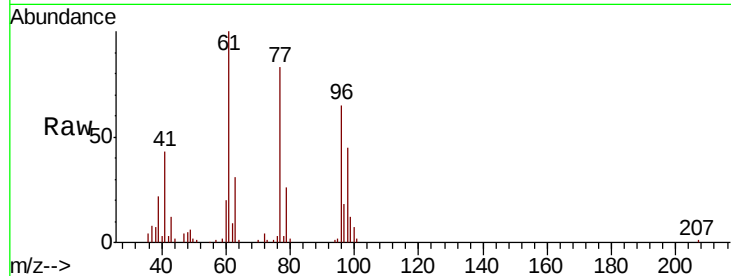
ClientSampleId :

VU0806WBSD01

Tot Ion:	96	Resp:	45969
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	299.8
98	67.7	0.0	128.6

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8/7/2018 1:51:39 PM



#28

Bromochloromethane

Concen: 19.84 ug/l

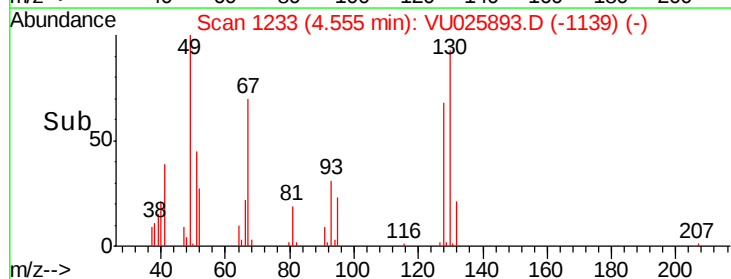
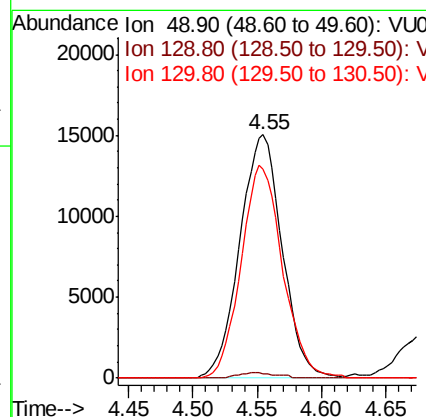
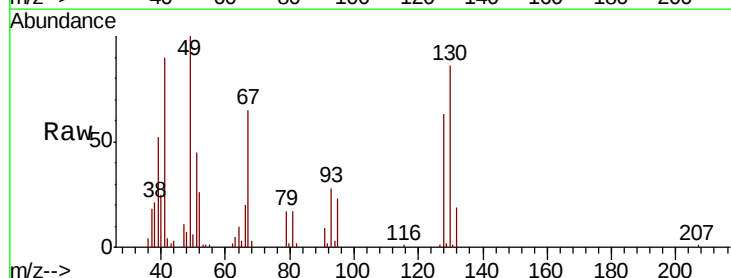
RT: 4.55 min Scan# 1233

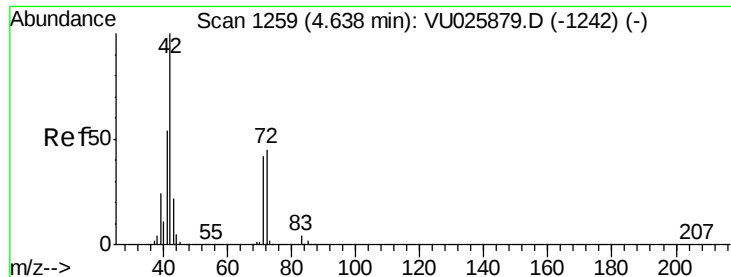
Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion:	49	Resp:	34377
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	85.7	68.6	102.8





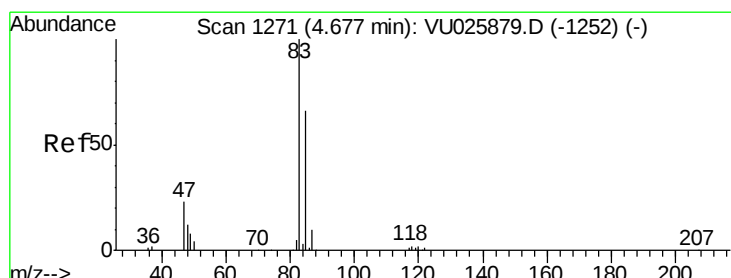
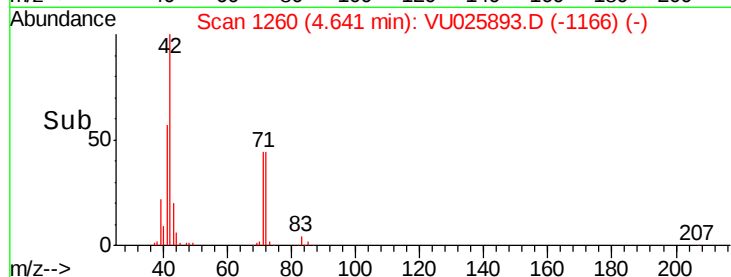
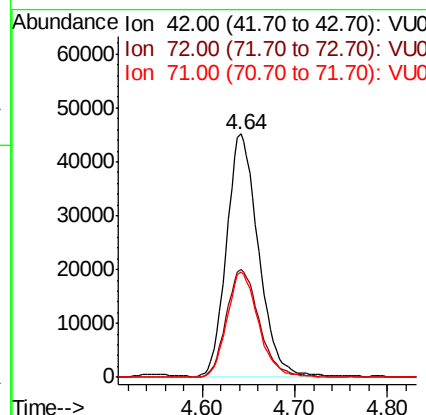
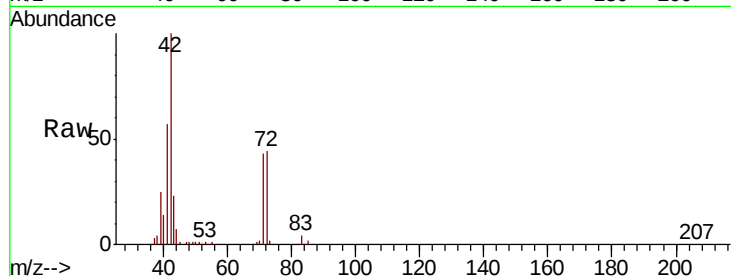
#29
Tetrahydrofuran
Concen: 103.17 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.7	55.1
71	42.4	33.9	50.9

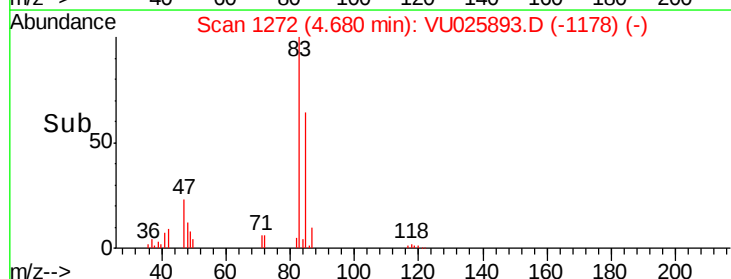
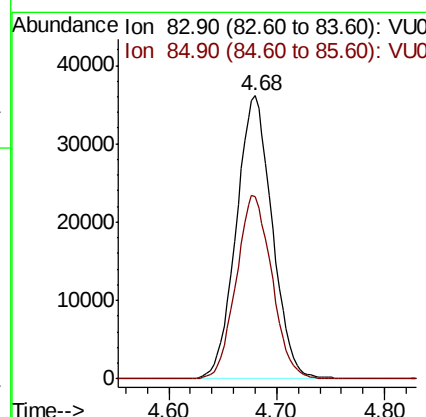
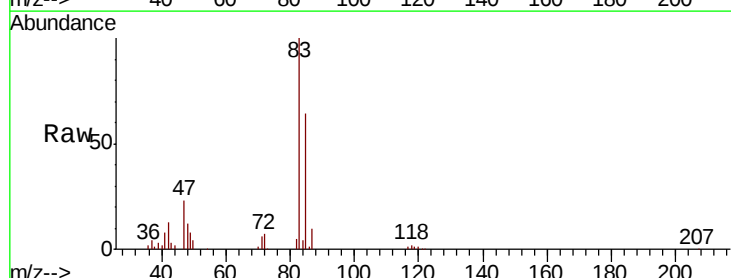
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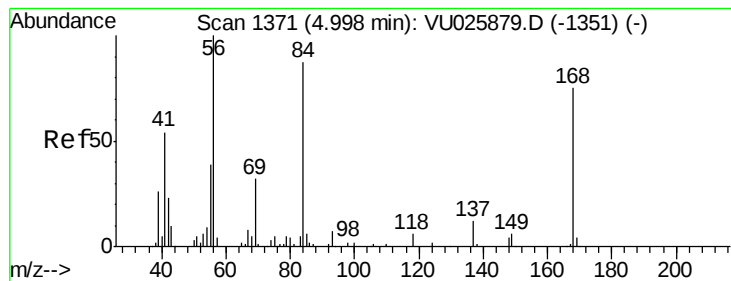
MMDadoda
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#30
Chloroform
Concen: 20.49 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





#31

Cyclohexane

Concen: 19.65 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

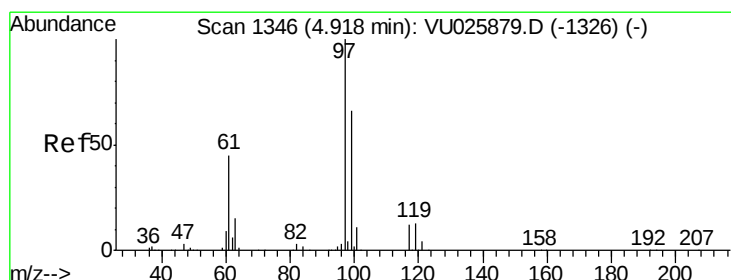
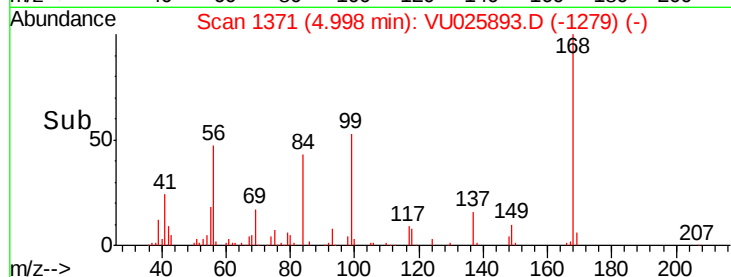
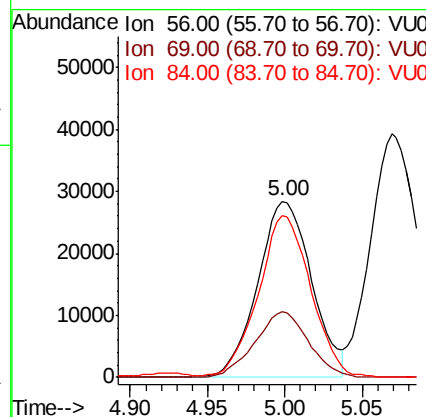
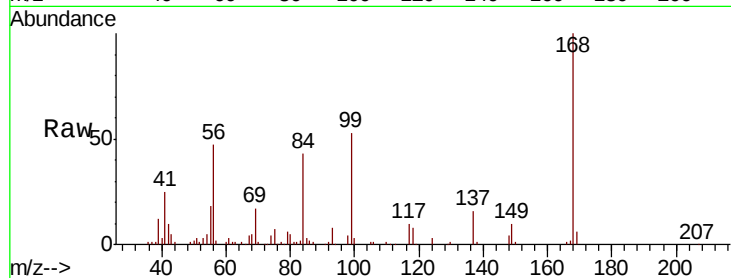
ClientSampleID :

VU0806WBSD01

Tot Ion:	56	Resp:	69026
Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.8	40.2
84	91.2	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 20.45 ug/l

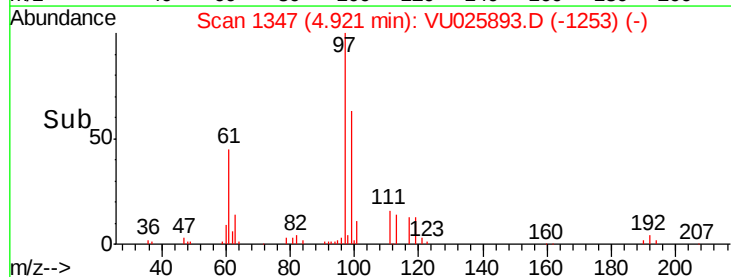
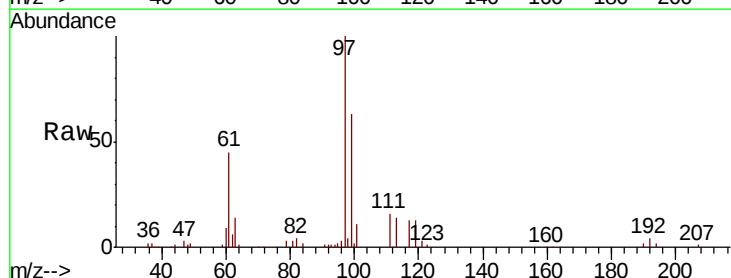
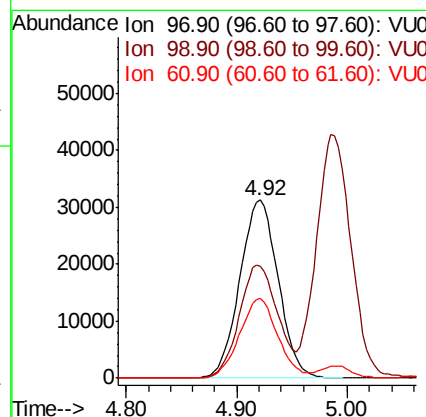
RT: 4.92 min Scan# 1347

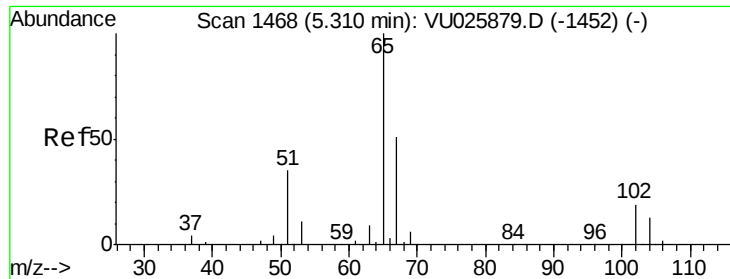
Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion:	97	Resp:	75343
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	44.6	35.2	52.8





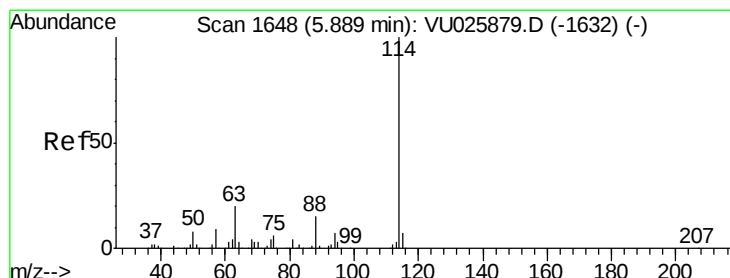
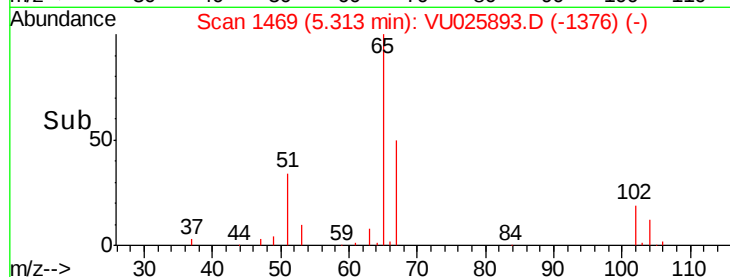
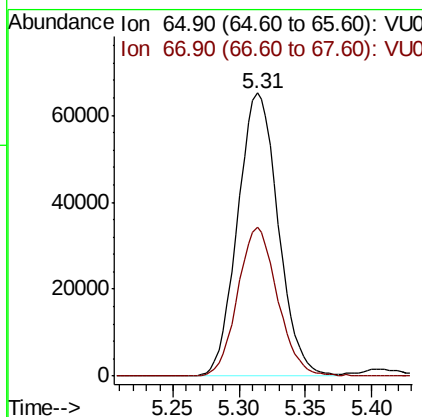
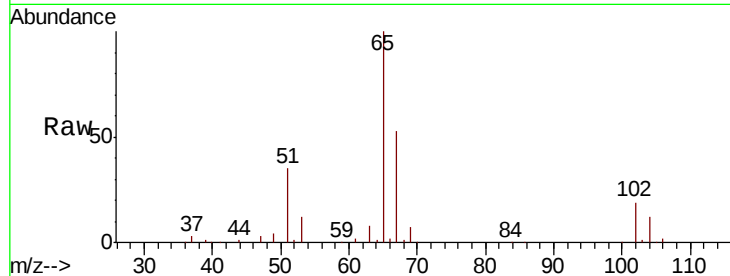
#33
 1,2-Dichloroethane-d4
 Concen: 52.51 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138928		
67	51.6	0.0	103.6	

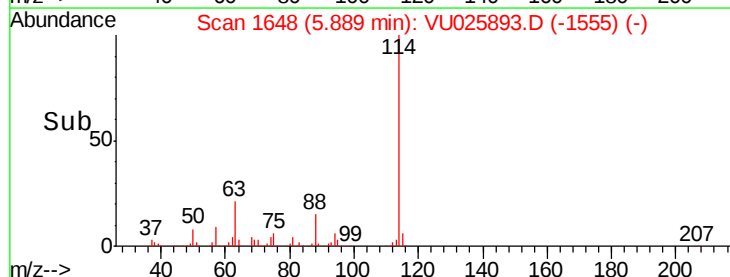
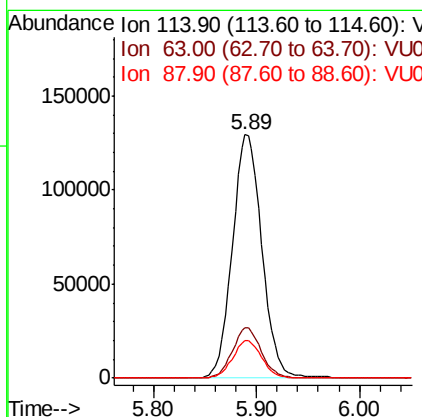
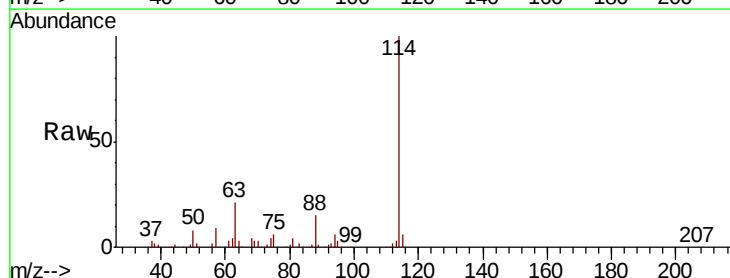
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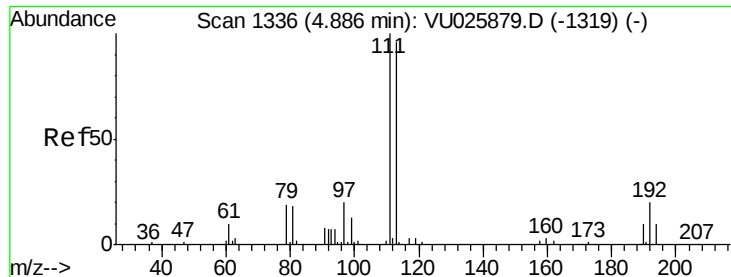
MMDadoda
 8/7/2018 1:51:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	258464		
63	20.7	0.0	41.6	
88	15.5	0.0	32.4	





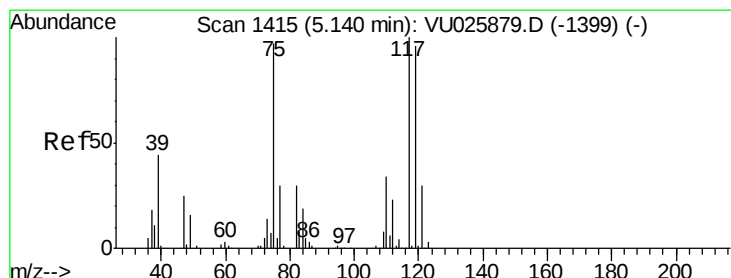
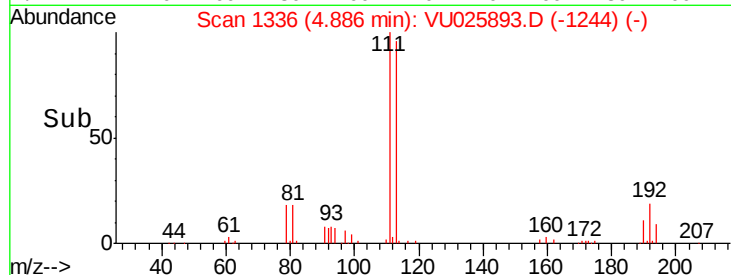
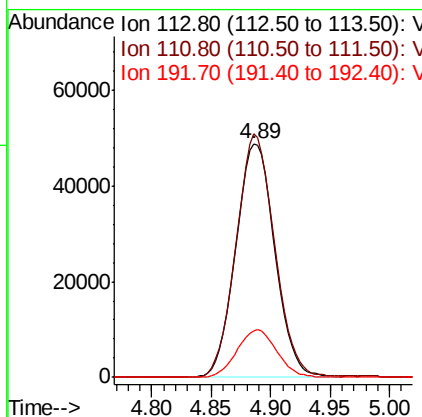
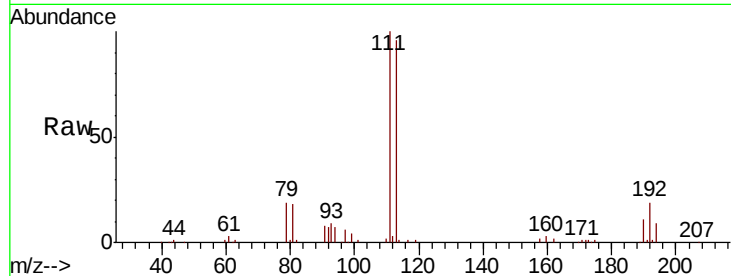
#35
 Dibromofluoromethane
 Concen: 49.42 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111094		
111	102.7	81.7	122.5	
192	20.7	17.1	25.7	

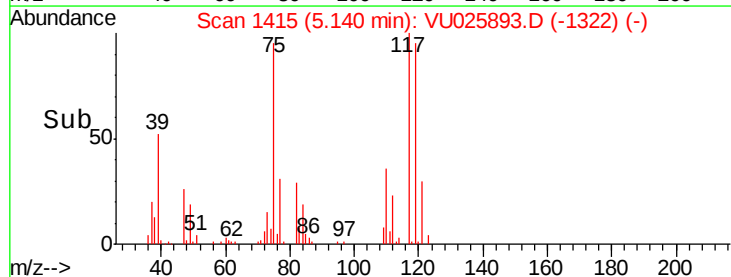
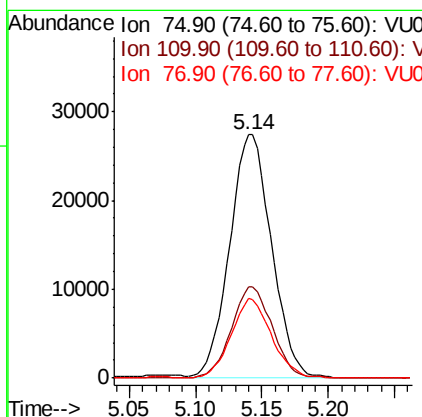
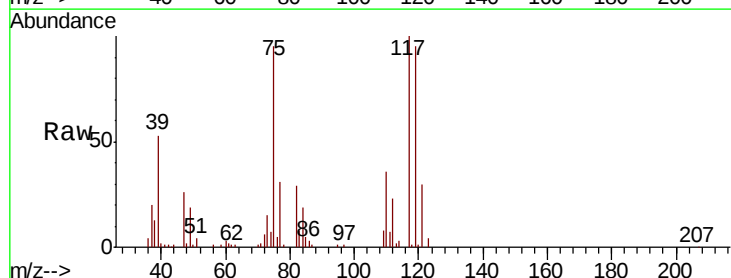
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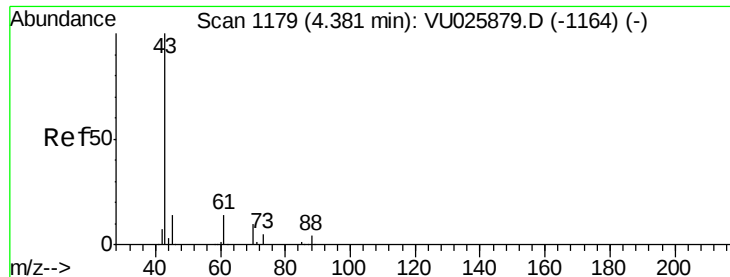
MMDadoda
 8/7/2018 1:51:39 PM



#36
 1,1-Dichloropropene
 Concen: 19.96 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60279		
110	36.3	17.6	52.9	
77	31.4	24.4	36.6	





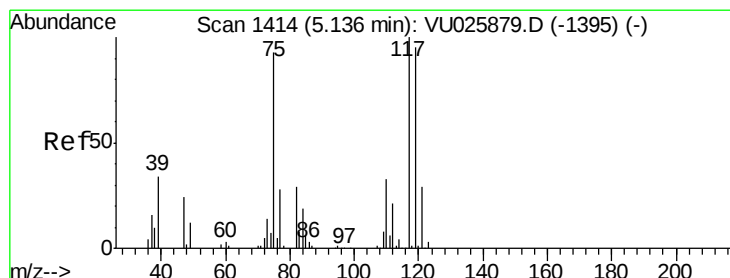
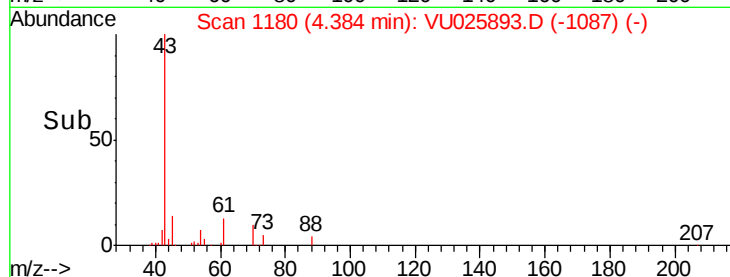
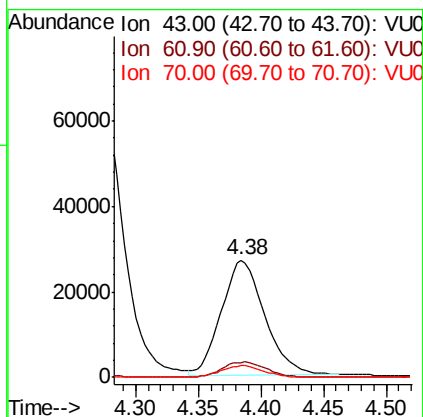
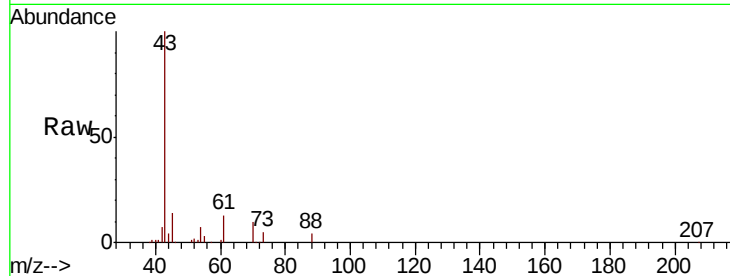
#37
Ethyl Acetate
Concen: 20.89 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.9	8.4	12.6

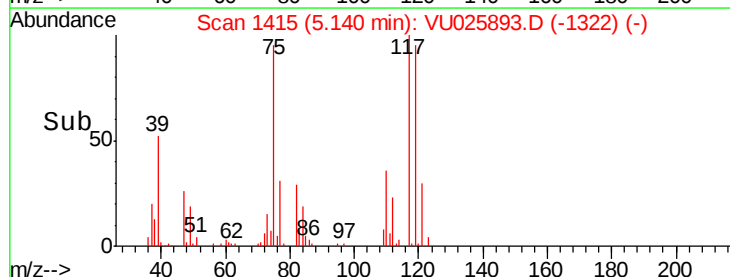
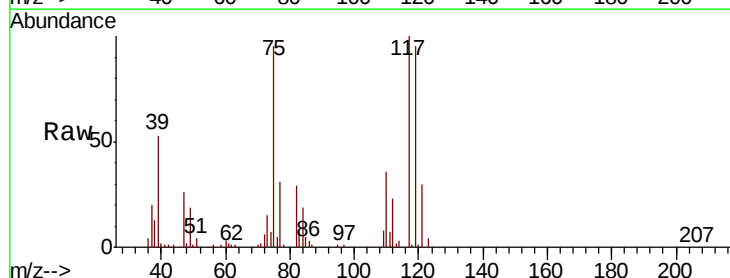
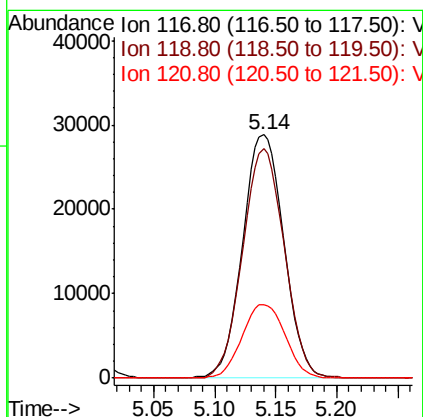
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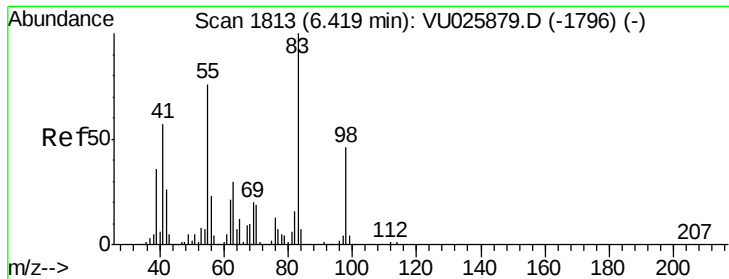
MMDadoda
8/7/2018 1:51:39 PM



#38
Carbon Tetrachloride
Concen: 19.68 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.7	113.5
121	30.3	24.6	36.8





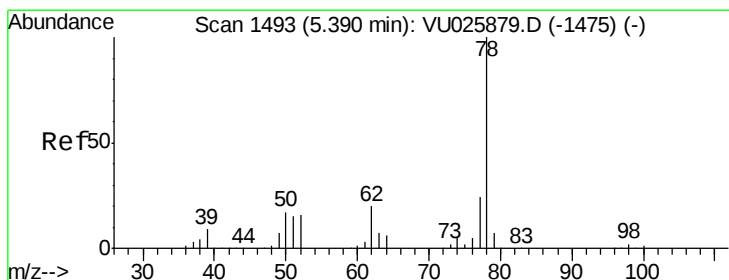
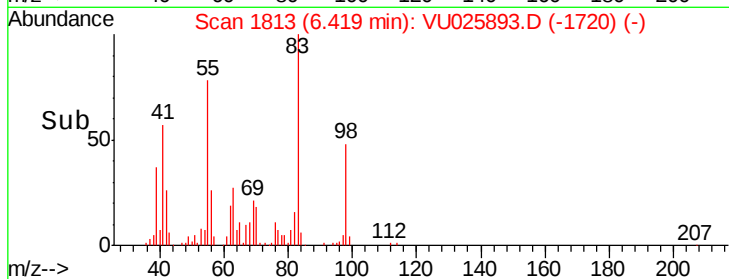
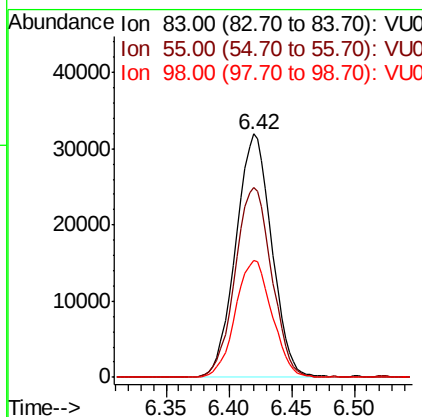
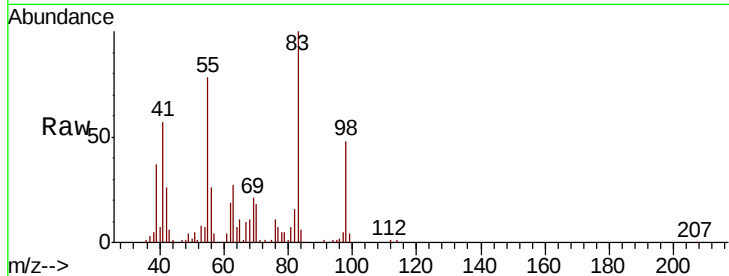
#39
Methvlcvclohexane
Concen: 18.39 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.0	90.0
98	48.2	36.1	54.1

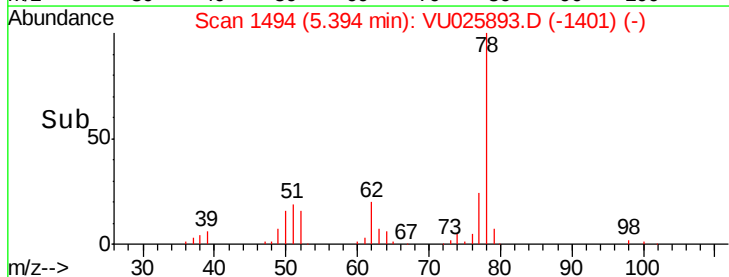
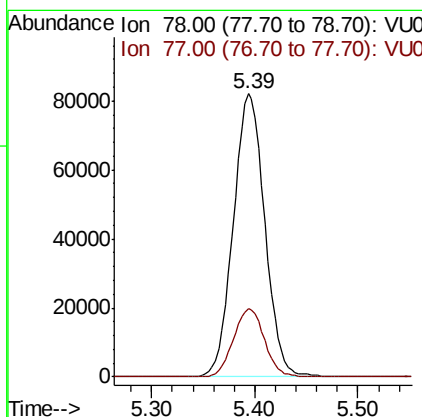
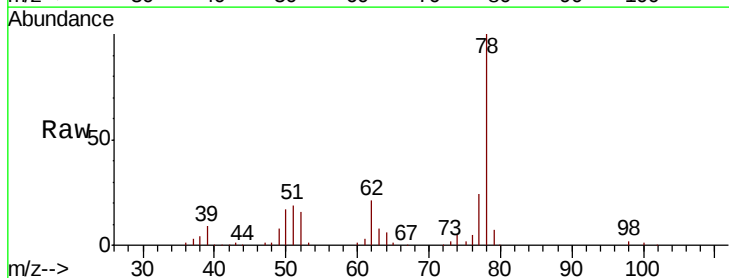
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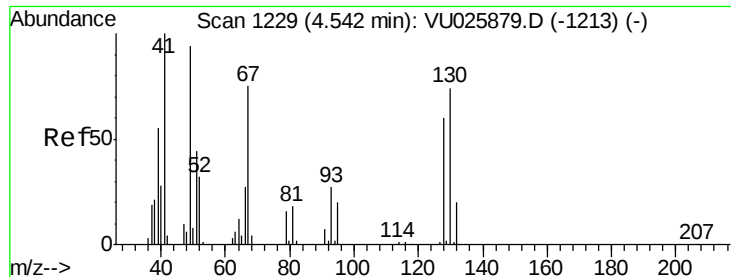
MMDadoda
8/7/2018 1:51:39 PM



#40
Benzene
Concen: 19.77 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.6





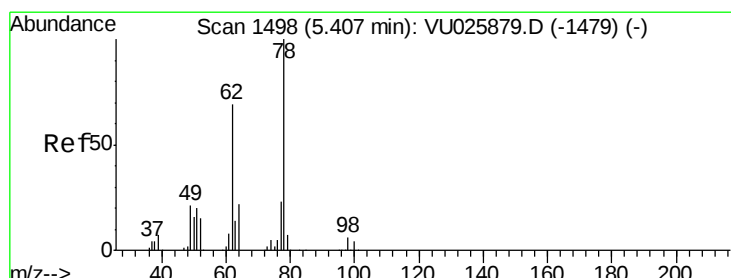
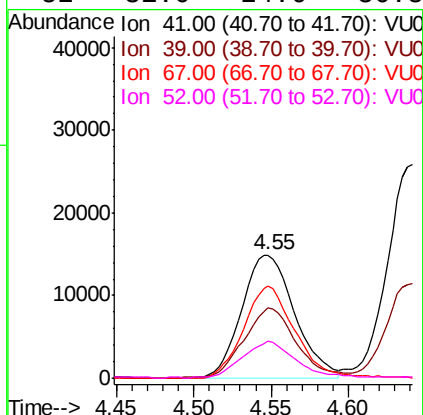
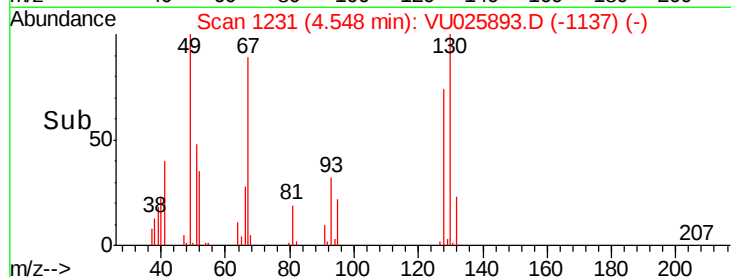
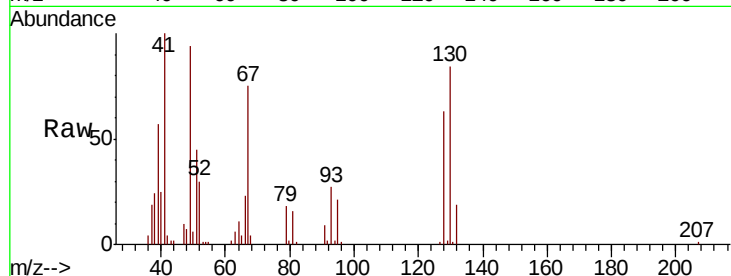
#41
Methacrylonitrile
Concen: 20.41 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	44.4	66.6	
67	72.4	56.0	84.0	
52	31.0	24.6	36.8	

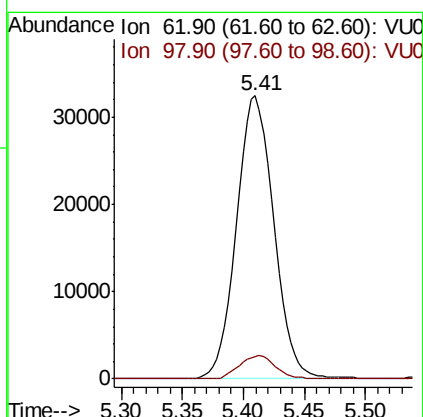
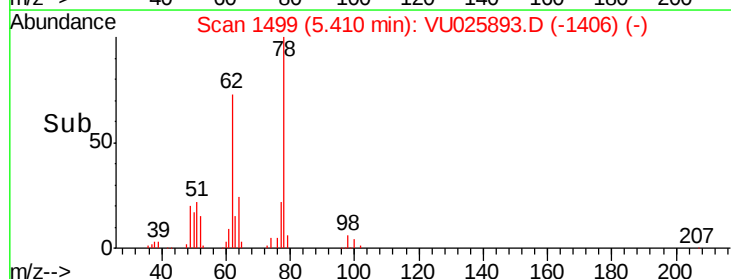
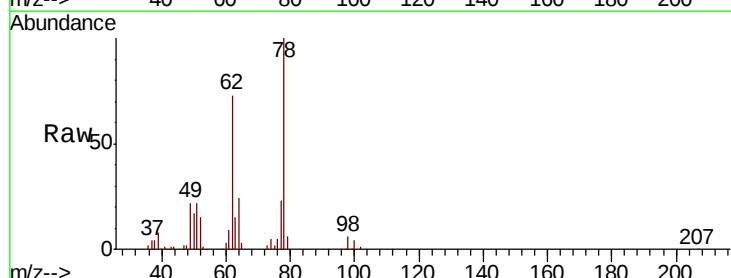
Manual Integrations
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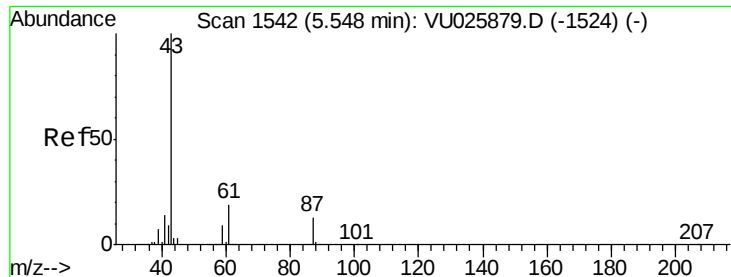
MMDadoda
8/7/2018 1:51:39 PM



#42
1,2-Dichloroethane
Concen: 20.20 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	16.4	





#43

Isopropyl Acetate

Concen: 20.25 ug/l

RT: 5.55 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

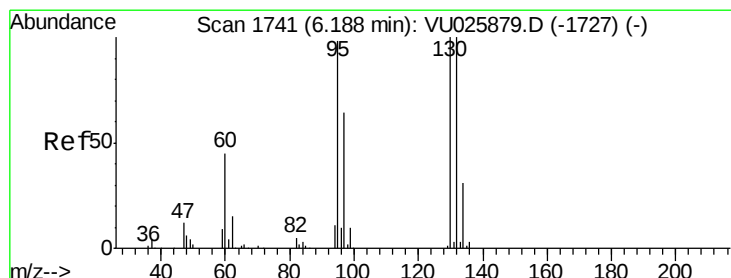
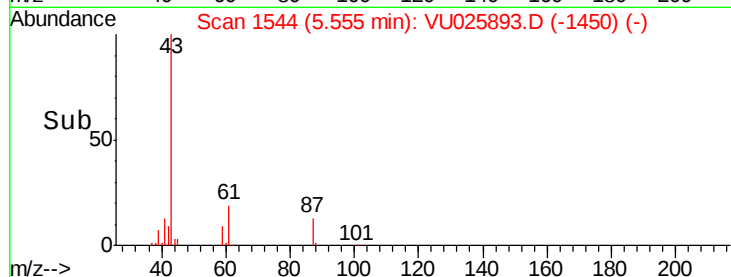
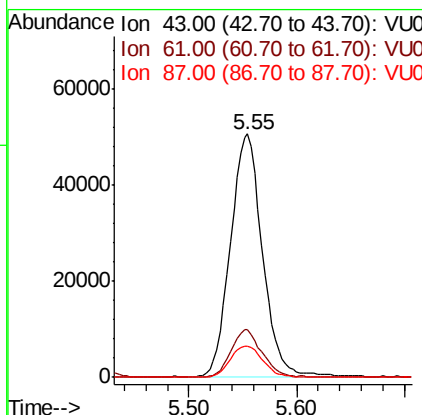
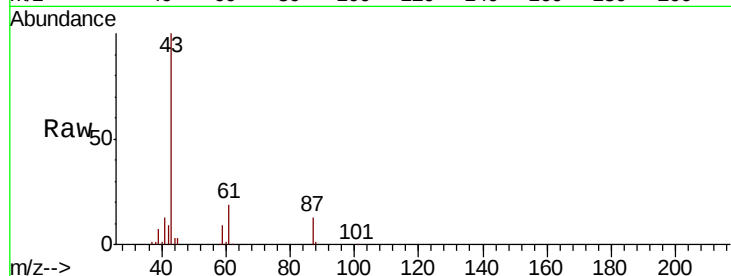
ClientSampleId :

VU0806WBSD01

Tot Ion:	43	Resp:	104803
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.5	23.3
87	13.2	10.6	16.0

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#44

Trichloroethene

Concen: 19.78 ug/l

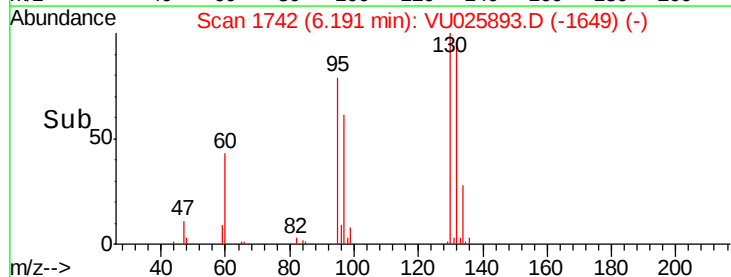
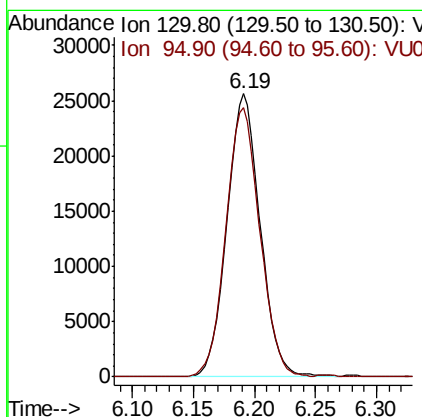
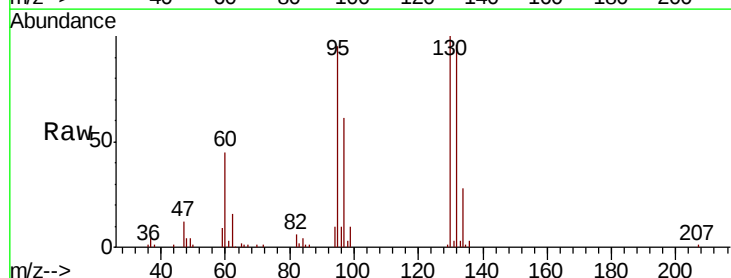
RT: 6.19 min Scan# 1742

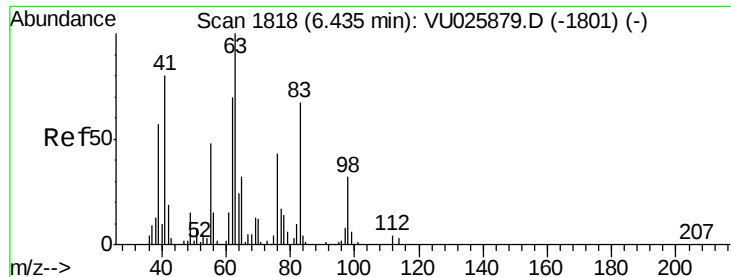
Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion:	130	Resp:	48633
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	192.2





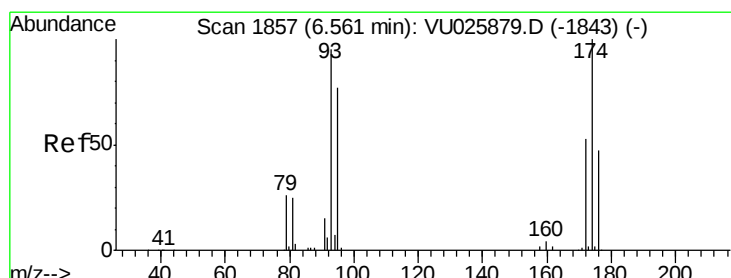
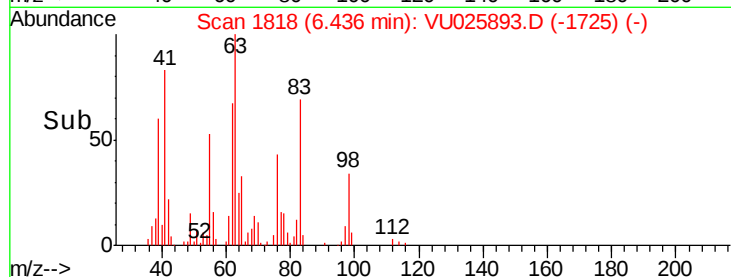
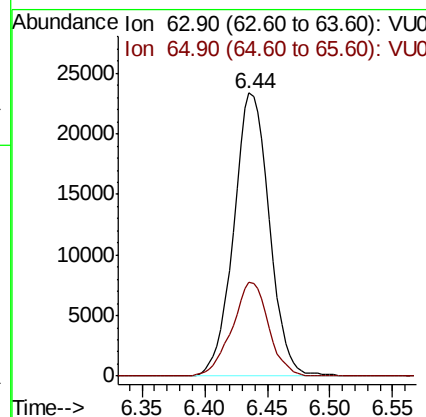
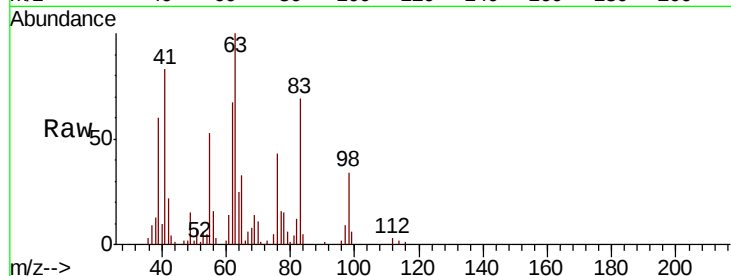
#45
 1,2-Dichloropropane
 Concen: 20.03 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0806WBSD01

Tot Ion: 63 Resp: 46131
 Ion Ratio Lower Upper
 63 100
 65 33.0 26.1 39.1

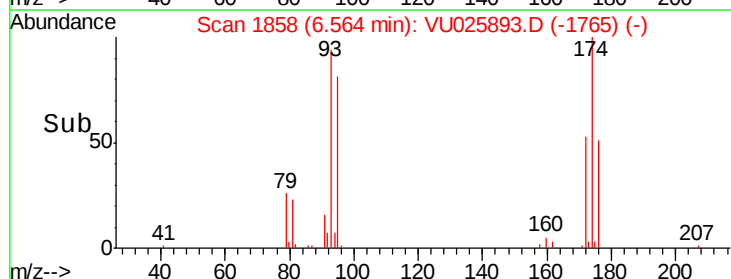
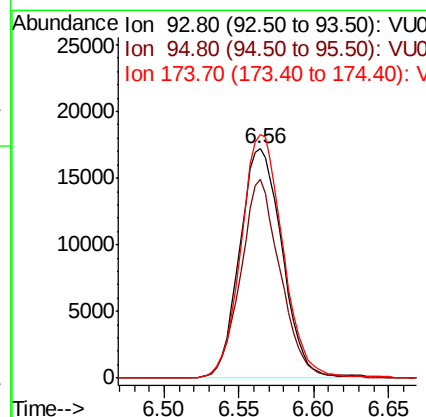
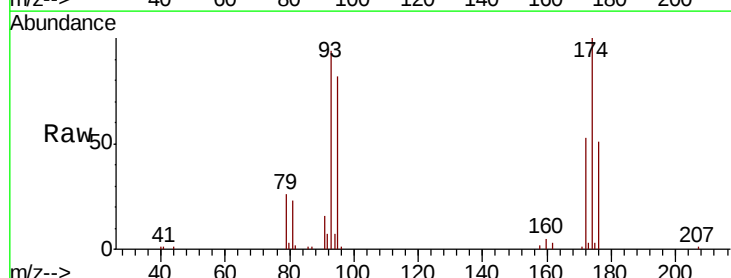
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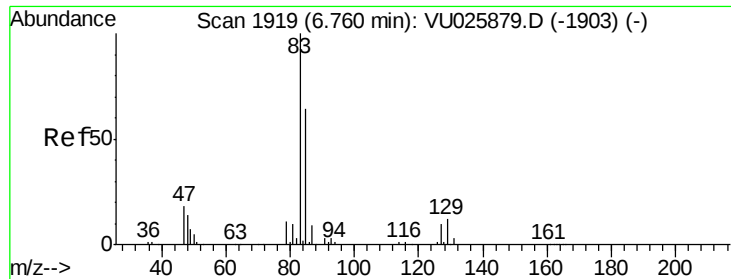
MMDadoda
 8/7/2018 1:51:39 PM



#46
 Dibromomethane
 Concen: 20.37 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion: 93 Resp: 33983
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.6 100.0
 174 104.6 85.8 128.8





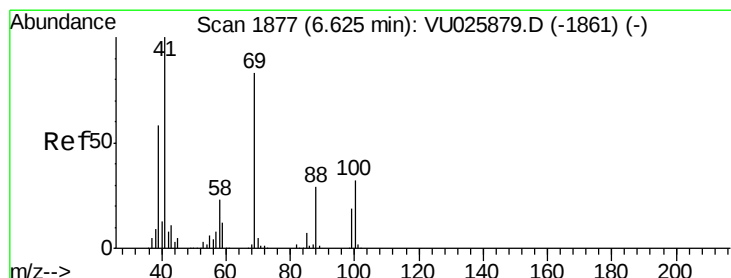
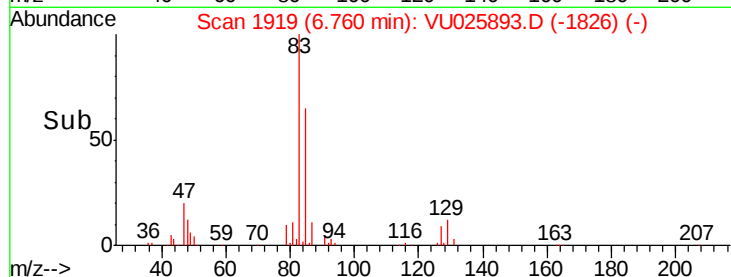
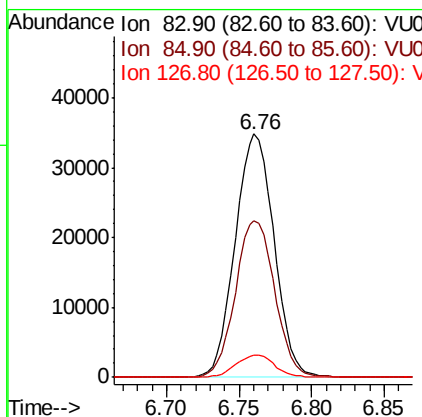
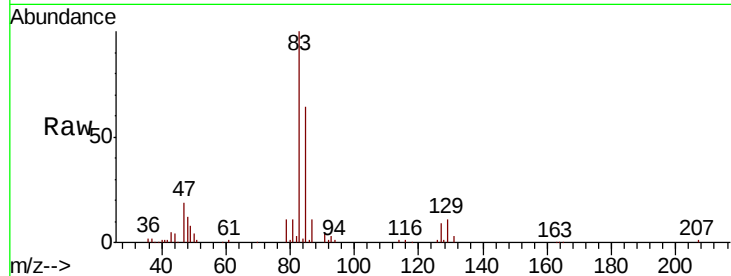
#47
Bromodichloromethane
Concen: 20.43 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	9.2	7.2	10.8

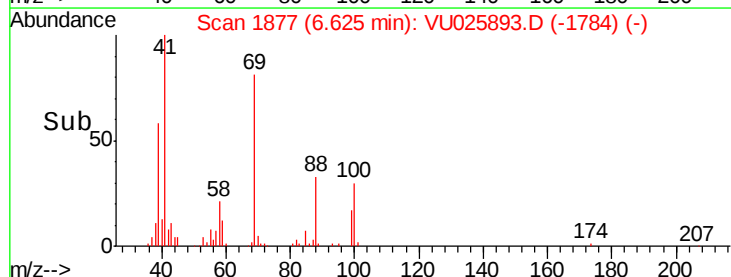
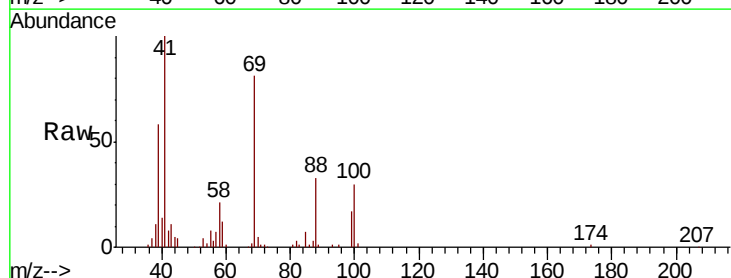
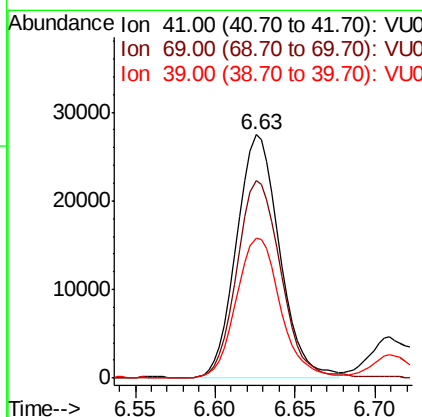
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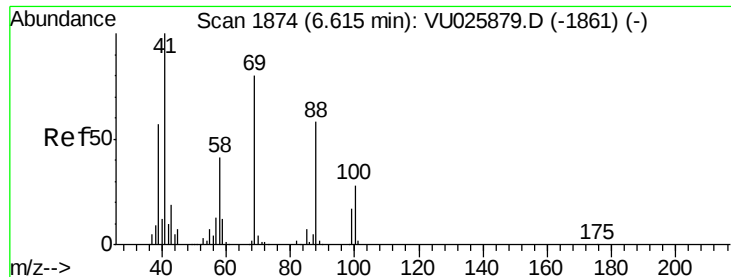
MMDadoda
8/7/2018 1:51:39 PM



#48
Methyl methacrylate
Concen: 19.91 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.0	97.4
39	58.9	46.4	69.6





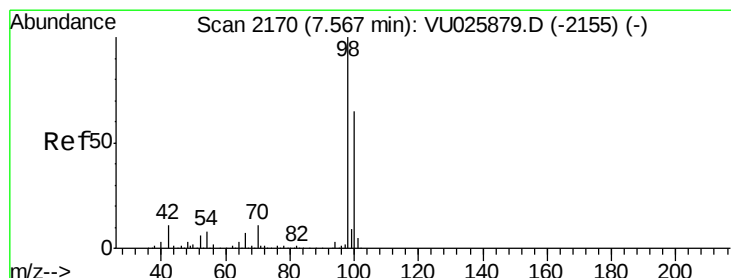
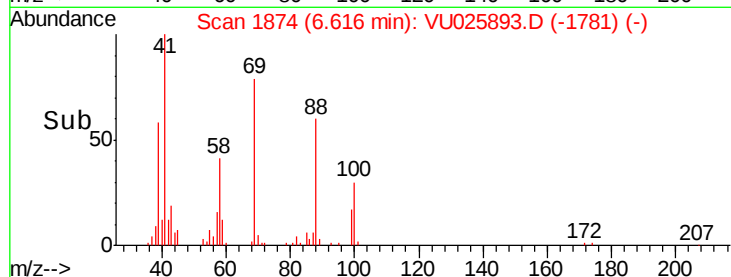
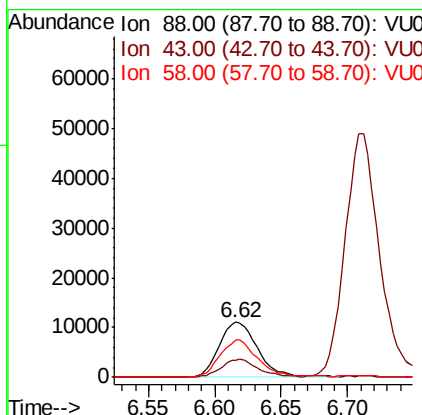
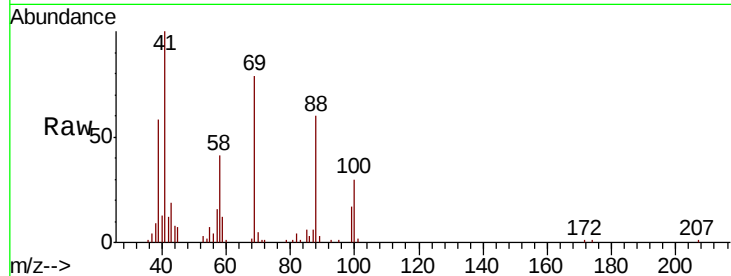
#49
 1,4-Dioxane
 Concen: 354.75 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.3	40.9
58	67.6	57.6	86.4

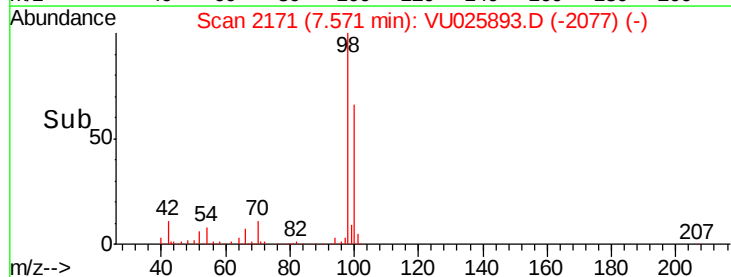
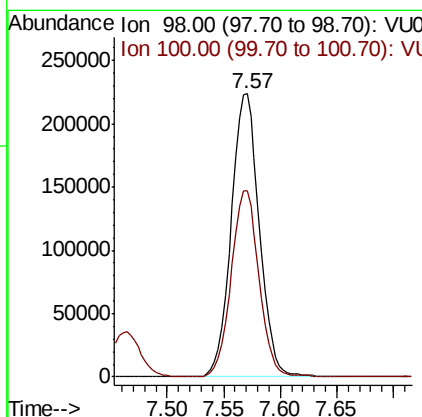
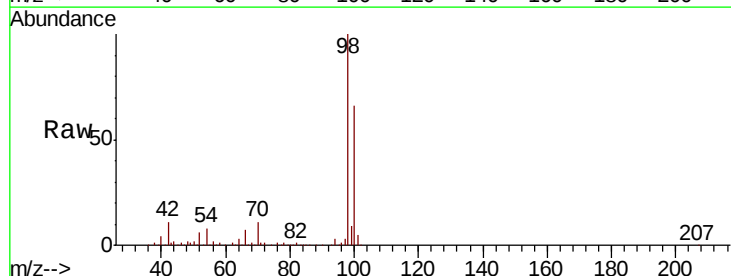
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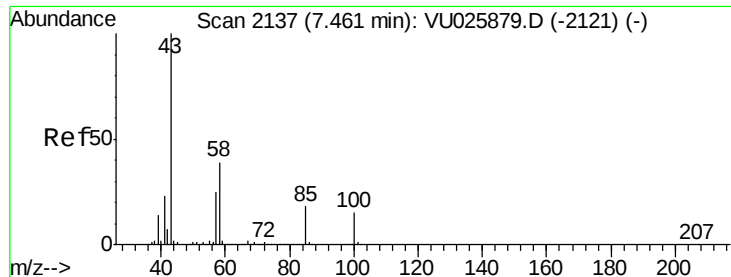
MMDadoda
 8/7/2018 1:51:39 PM



#50
 Toluene-d8
 Concen: 49.18 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 128.24 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 43 Resp: 41524

Ion Ratio Lower Upper

43 100

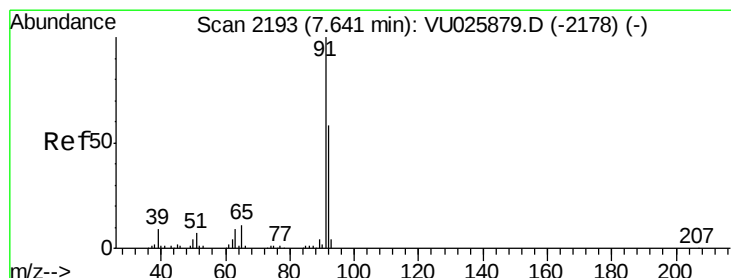
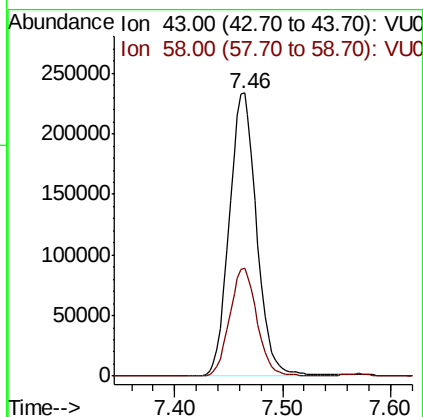
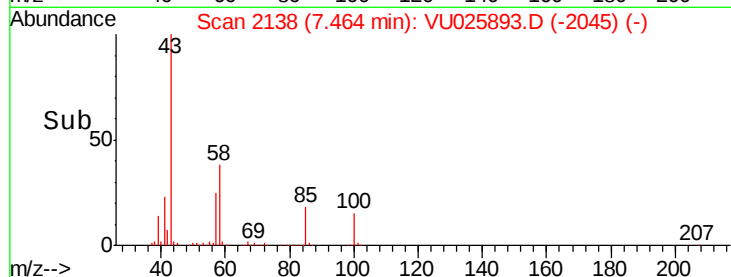
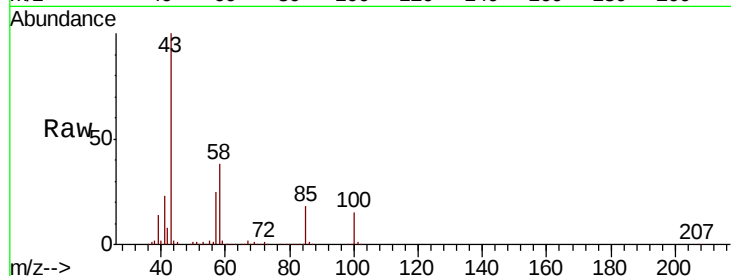
58 38.0 31.0 46.4

Manual Integrations

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#52

Toluene

Concen: 20.60 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025893.D

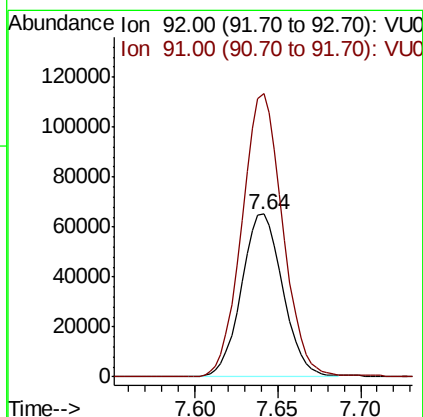
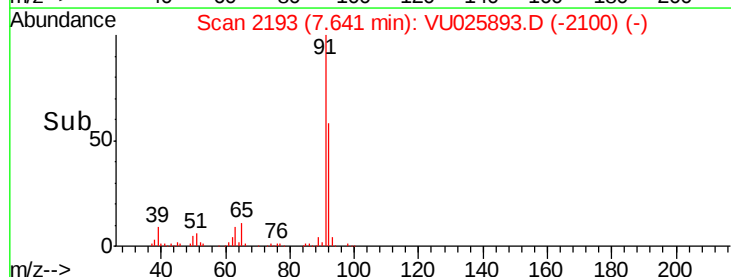
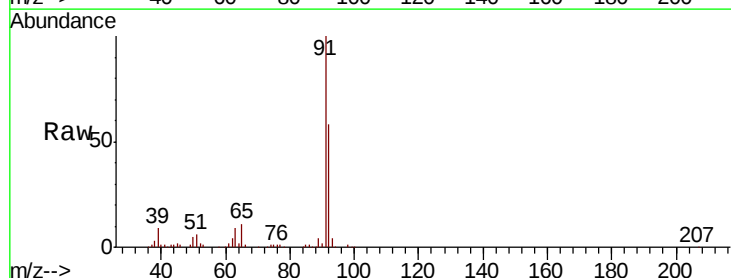
Acq: 06 Aug 2018 18:04

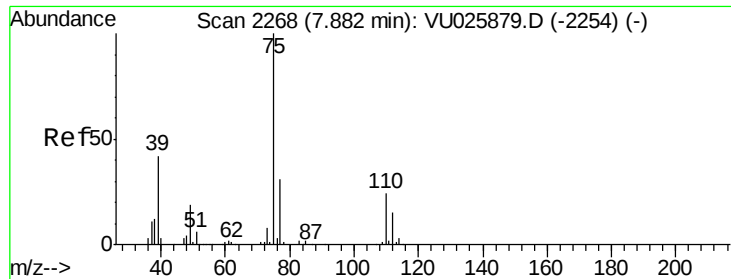
Tgt Ion: 92 Resp: 112989

Ion Ratio Lower Upper

92 100

91 172.1 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 19.30 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 75 Resp: 68970

Ion Ratio Lower Upper

75 100

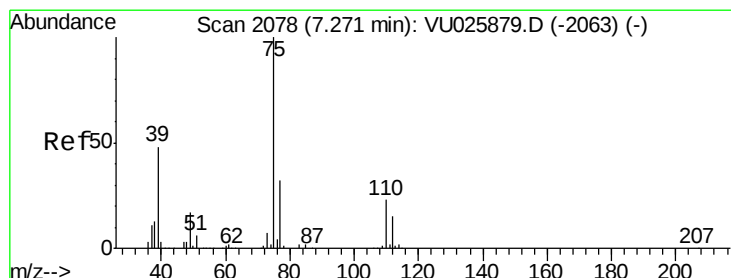
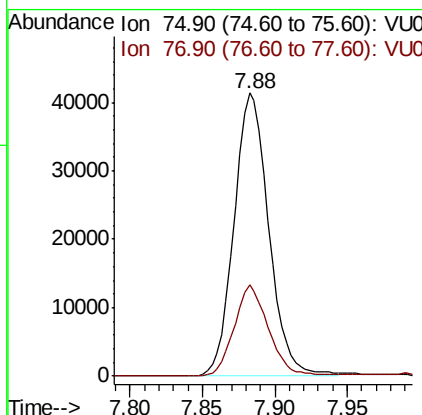
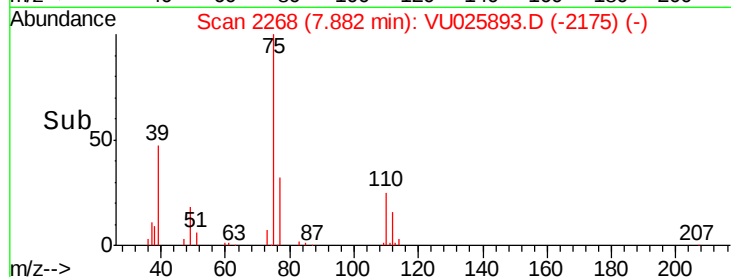
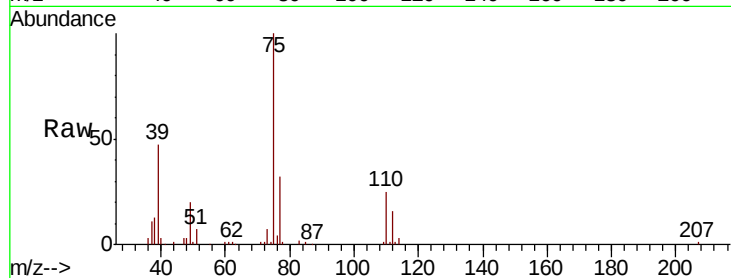
77 32.1 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

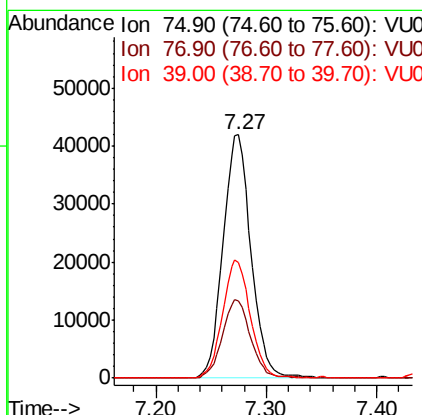
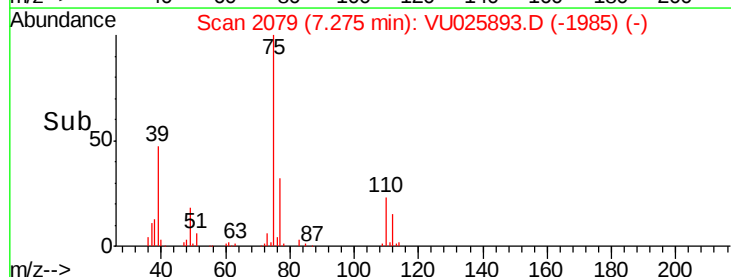
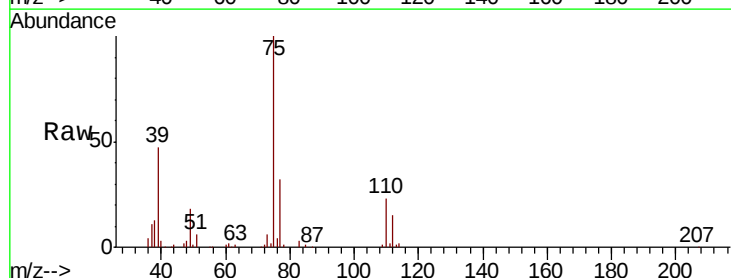
Tgt Ion: 75 Resp: 73759

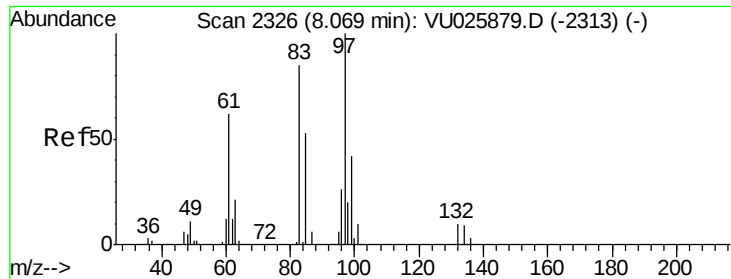
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 47.4 40.0 60.0





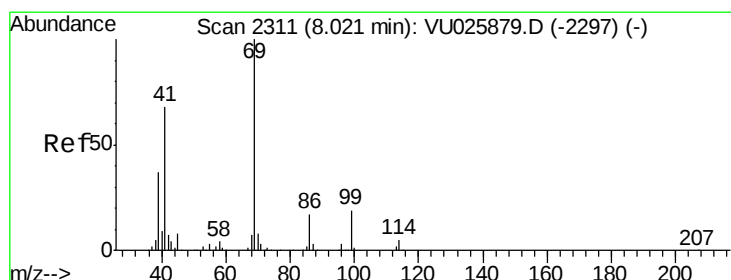
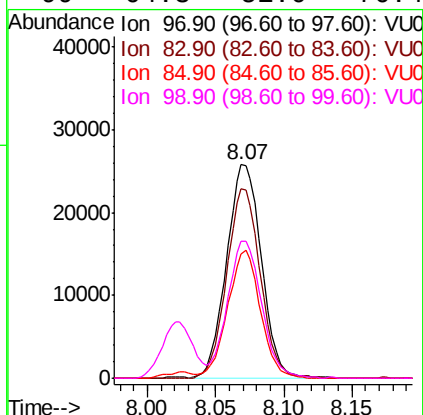
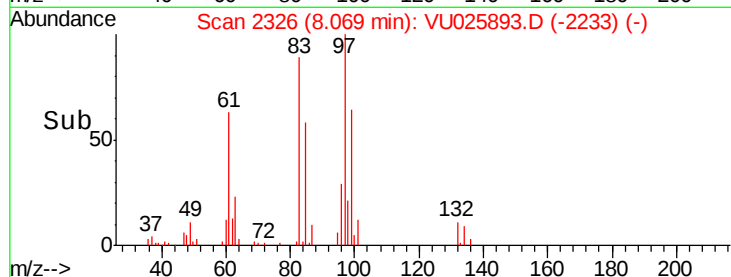
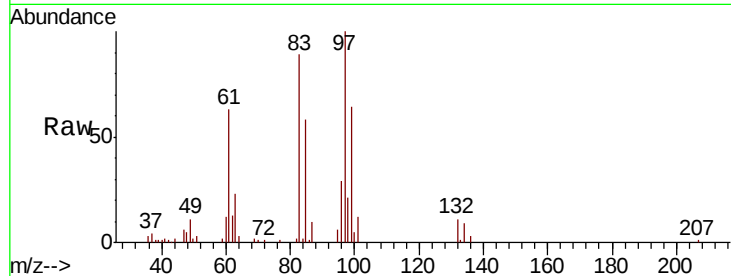
#55
 1,1,2-Trichloroethane
 Concen: 20.11 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45834		
83	88.8	68.9	103.3		
85	58.4	44.4	66.6		
99	64.3	51.0	76.4		

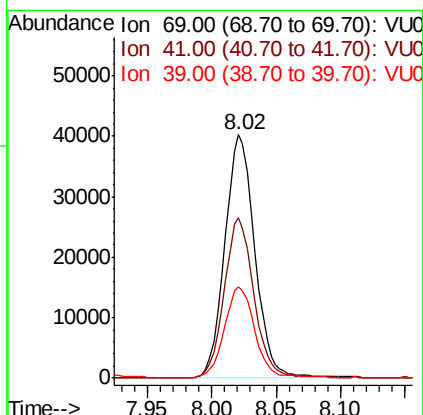
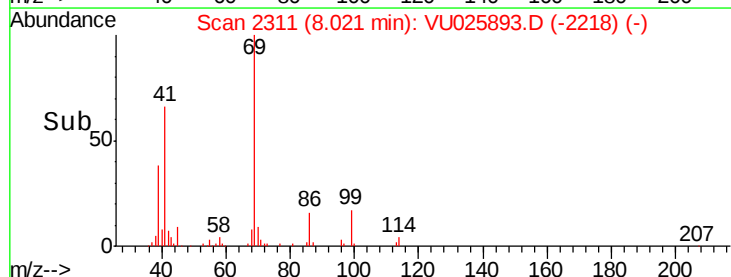
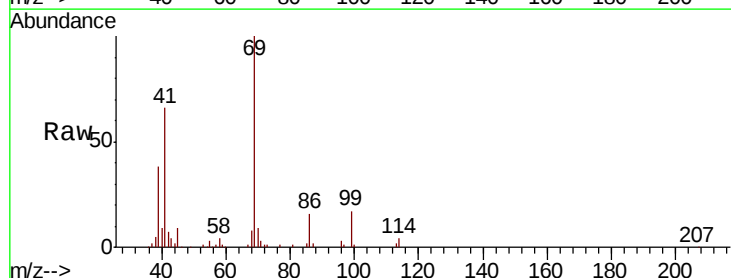
Manual Integrations
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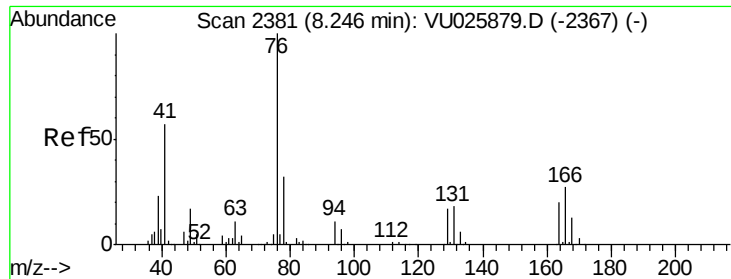
MMDadoda
 8/7/2018 1:51:39 PM



#56
 Ethyl methacrylate
 Concen: 19.98 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		65073		
41	64.7	54.8	82.2		
39	38.4	31.1	46.7		





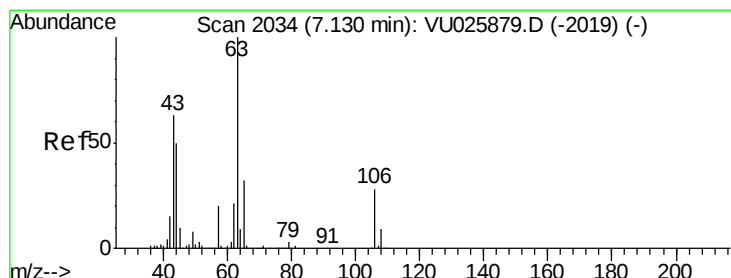
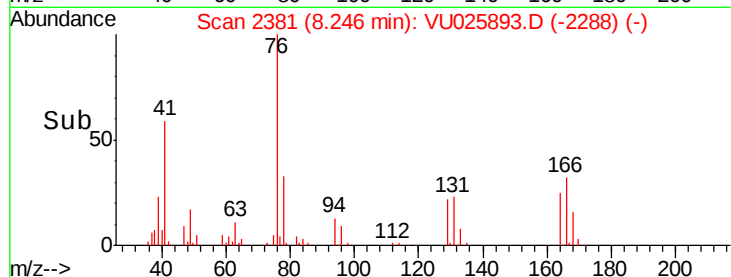
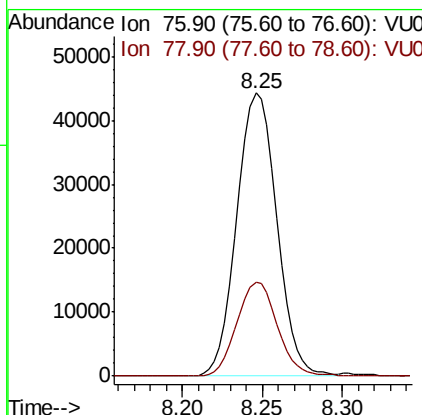
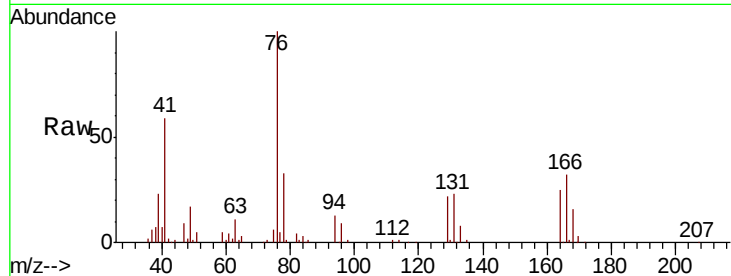
#57
 1,3-Dichloropropane
 Concen: 19.78 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0806WBSD01

Tot Ion: 76 Resp: 75813
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.1 39.1

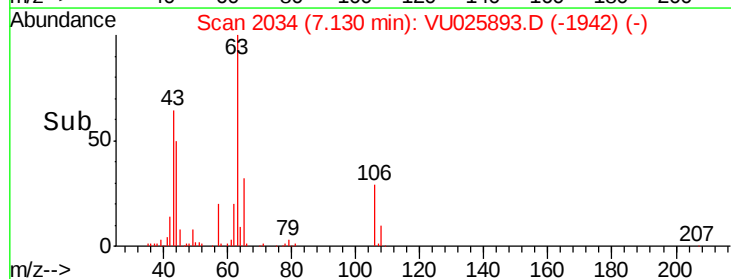
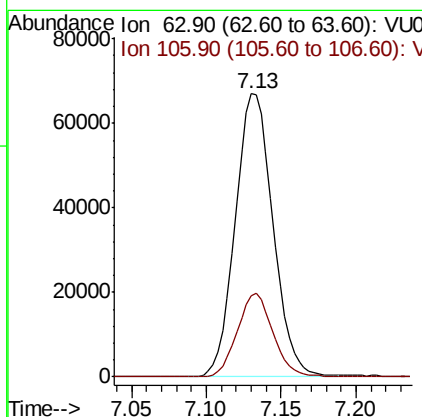
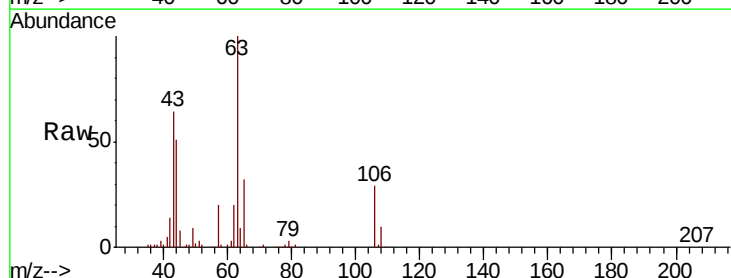
Manual Integrations
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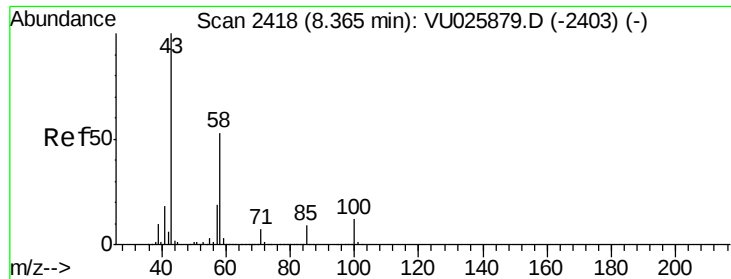
MMDadoda
 8/7/2018 1:51:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.70 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion: 63 Resp: 117822
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





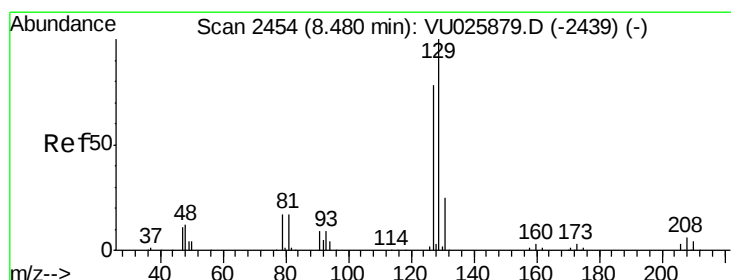
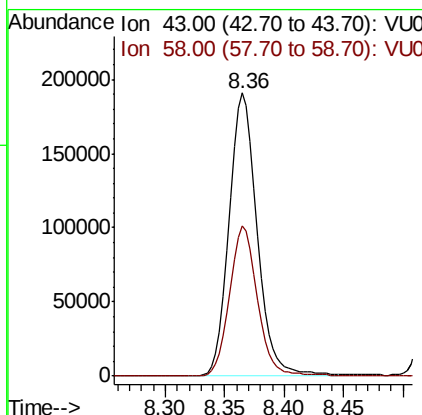
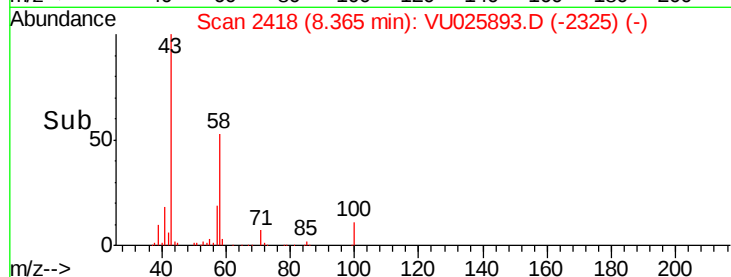
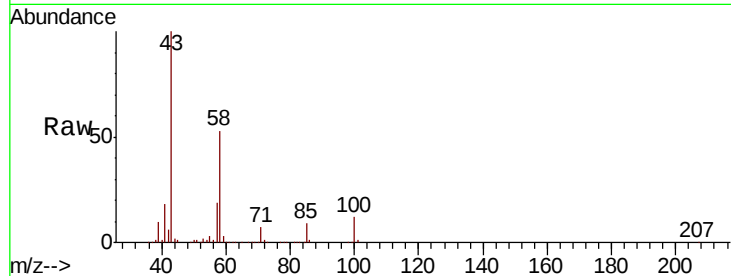
#59
2-Hexanone
Concen: 122.74 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion: 43 Resp: 311744
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5

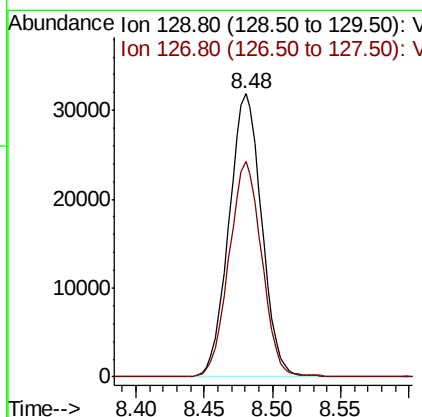
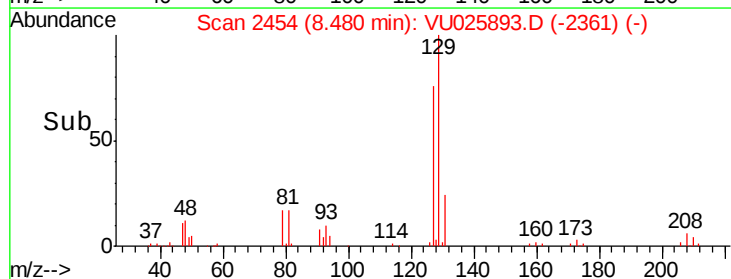
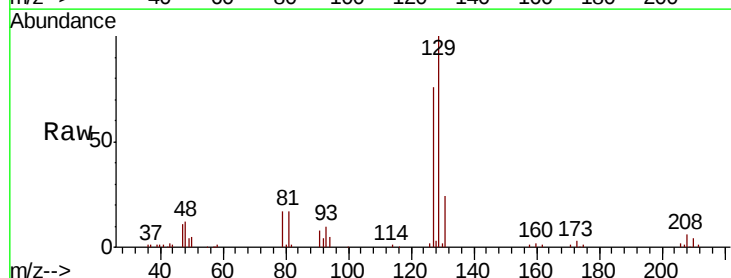
Manual Integrations
APPROVED

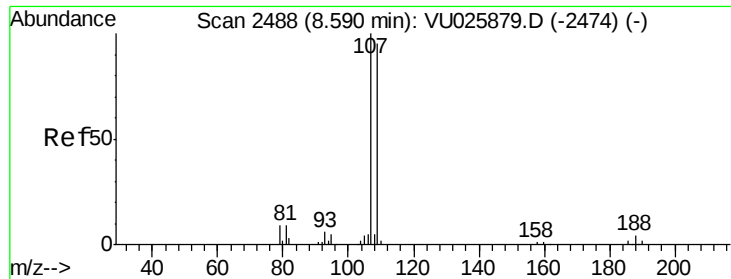
MMDadoda
8/7/2018 1:51:39 PM



#60
Dibromochloromethane
Concen: 19.74 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion: 129 Resp: 53069
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





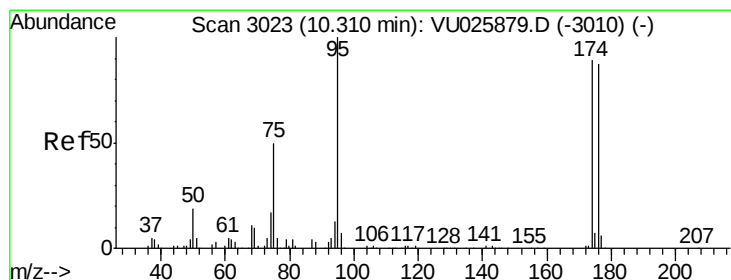
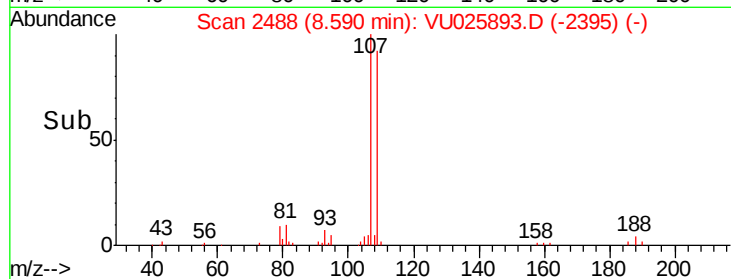
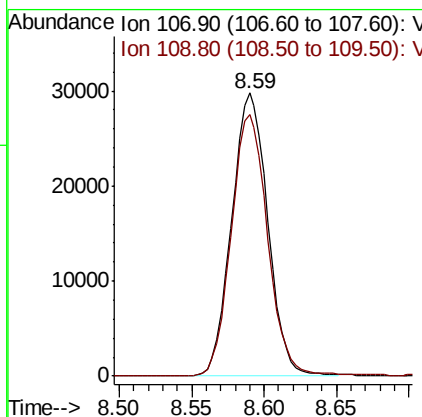
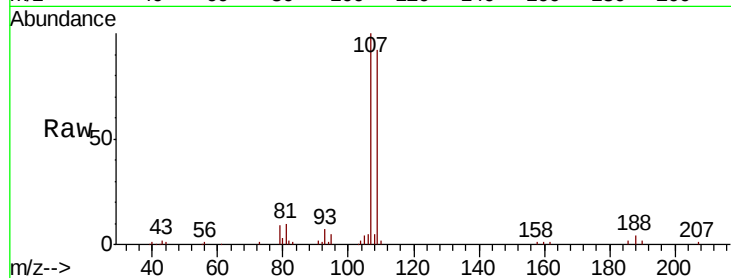
#61
 1,2-Dibromoethane
 Concen: 20.25 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

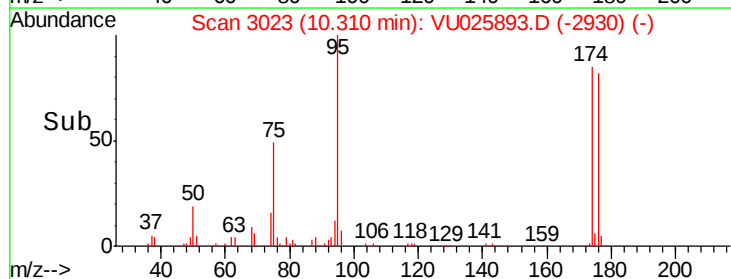
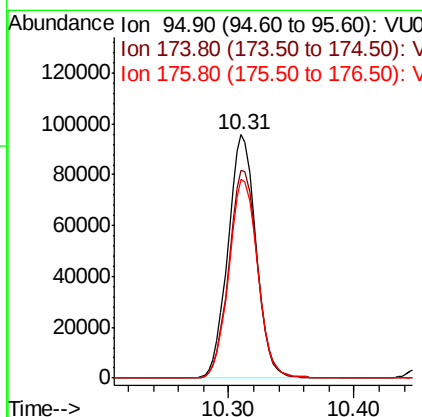
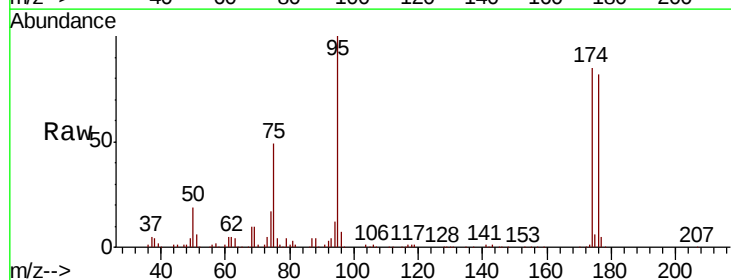
Manual Integrations
 APPROVED

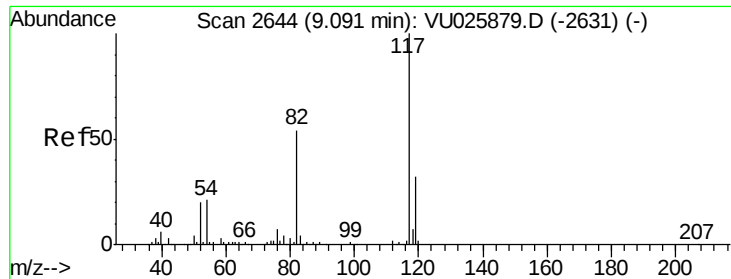
MMDadoda
 8/7/2018 1:51:39 PM



#62
 4-Bromofluorobenzene
 Concen: 48.65 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	172.2
176	83.8	0.0	162.6





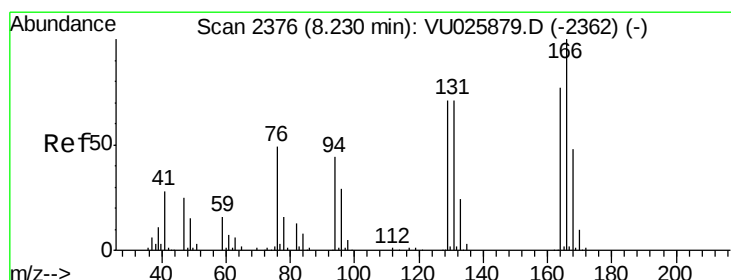
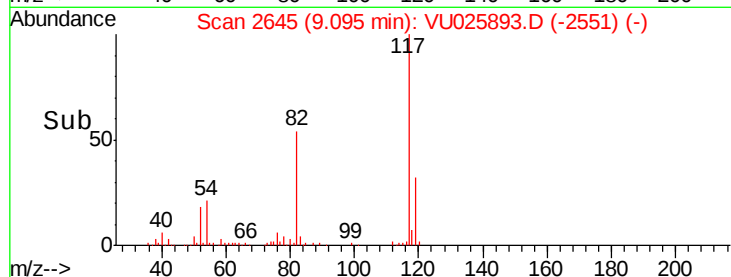
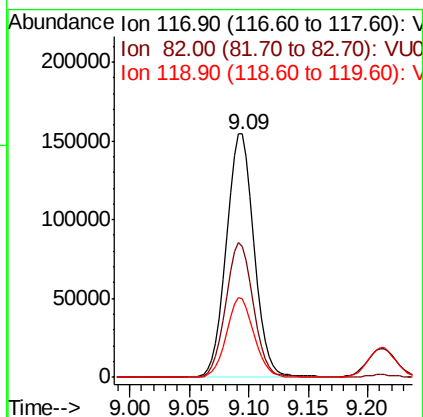
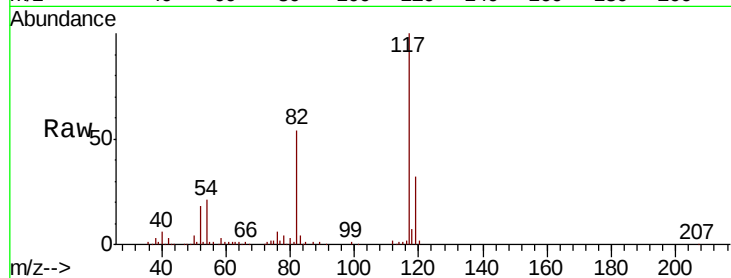
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250284		
82	53.8	46.0	69.0	
119	32.2	26.0	39.0	

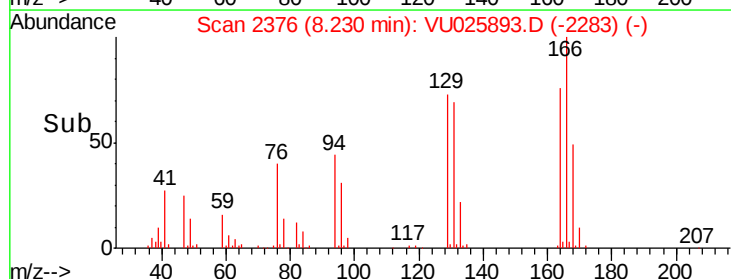
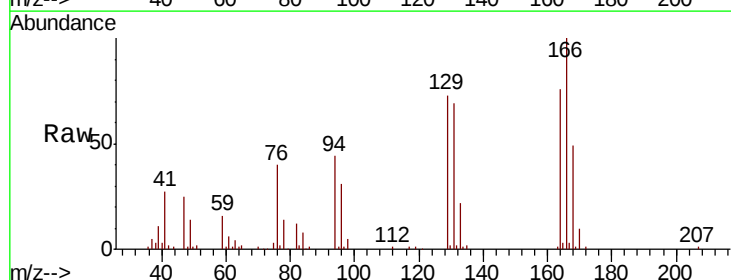
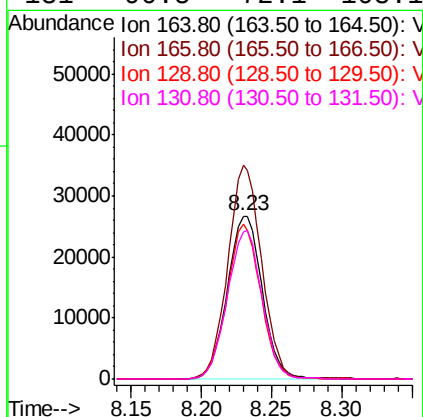
Manual Integrations
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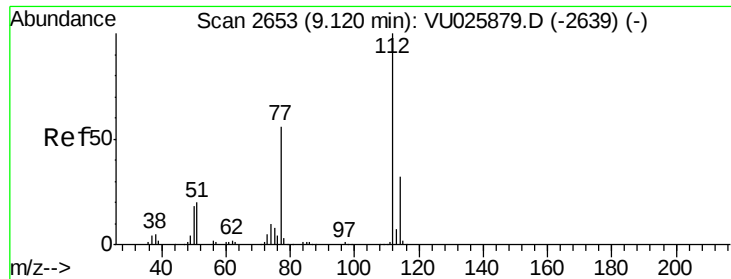
MMDadoda
8/7/2018 1:51:39 PM



#64
Tetrachloroethene
Concen: 20.96 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46172		
166	130.9	101.1	151.7	
129	95.3	73.0	109.6	
131	90.5	72.1	108.1	





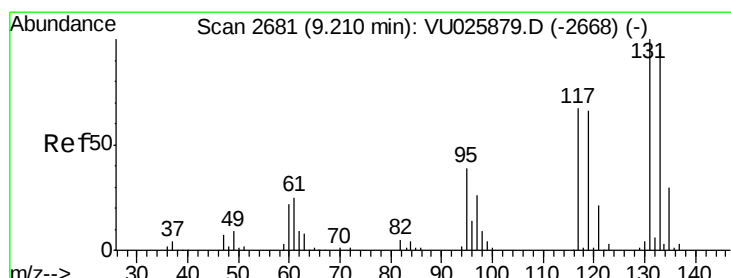
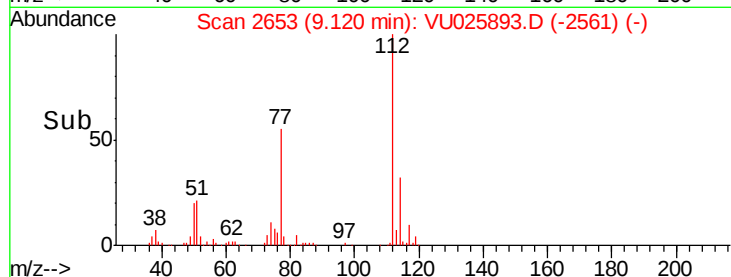
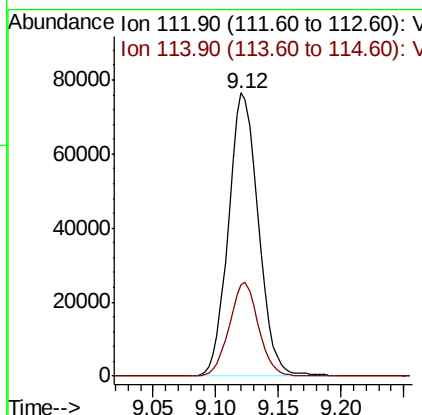
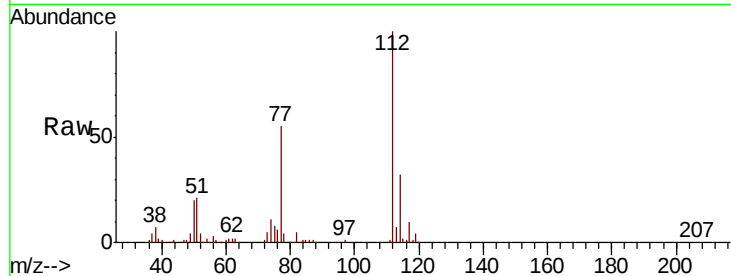
#65
Chlorobenzene
Concen: 19.69 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8

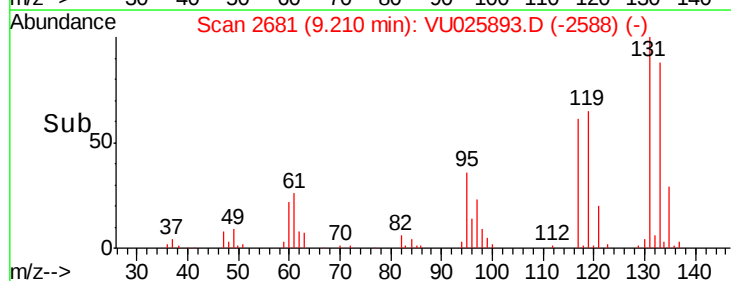
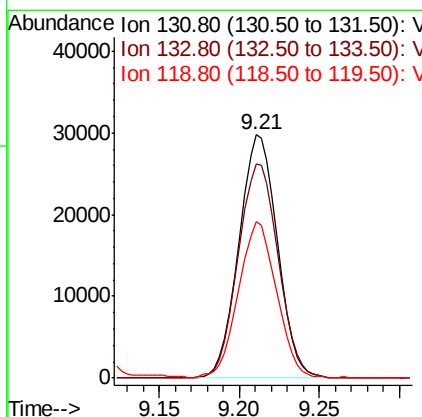
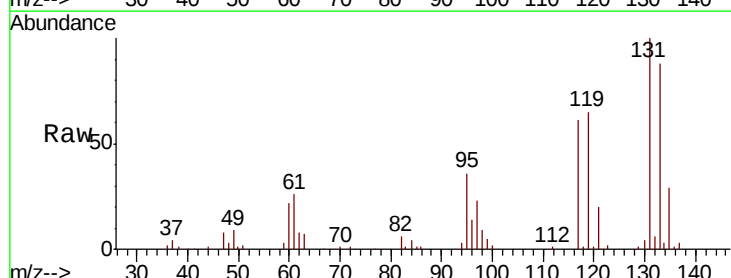
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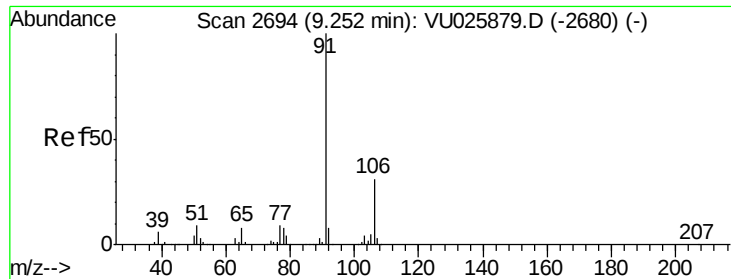
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.96 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.8	143.3
119	63.7	31.6	95.0





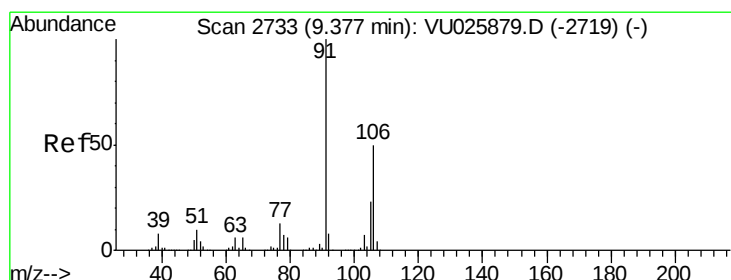
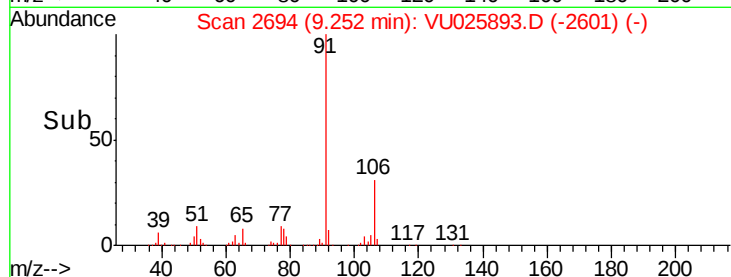
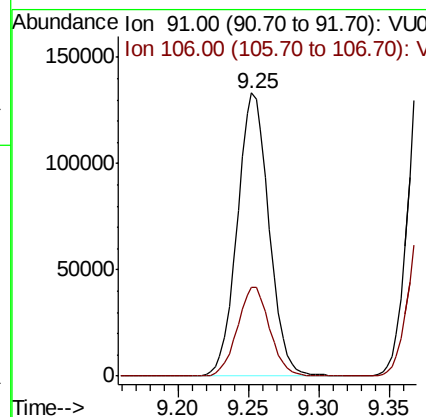
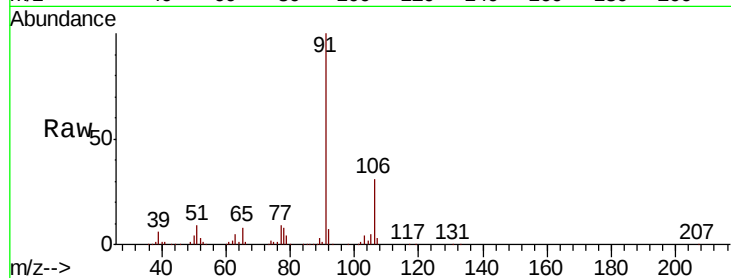
#67
Ethyl Benzene
Concen: 19.66 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	210112		
106	31.5	25.3	25.3	37.9

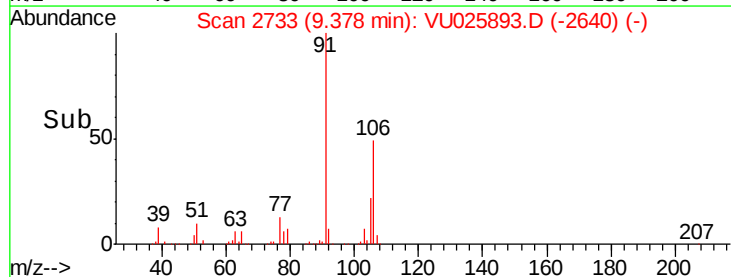
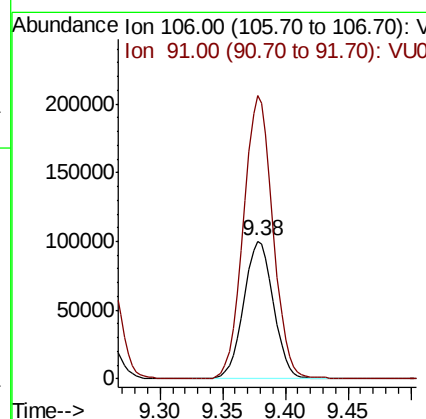
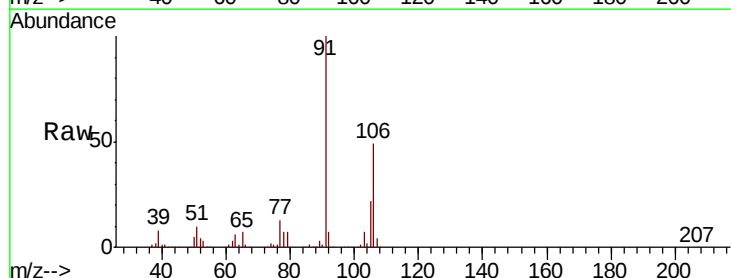
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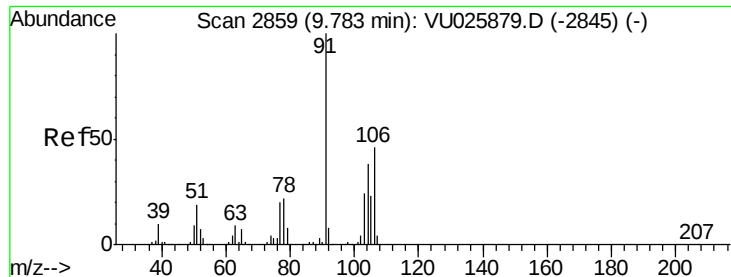
MMDadoda
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#68
m/p-Xylenes
Concen: 40.49 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	166148		
91	202.7	162.3	162.3	243.5





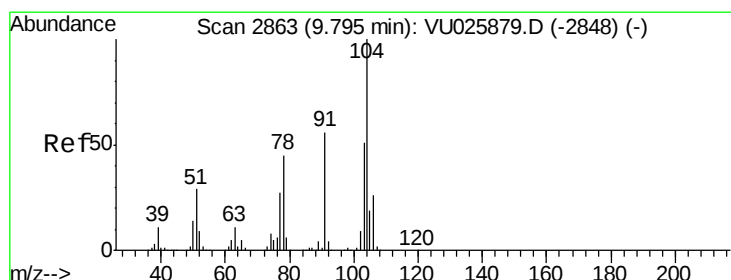
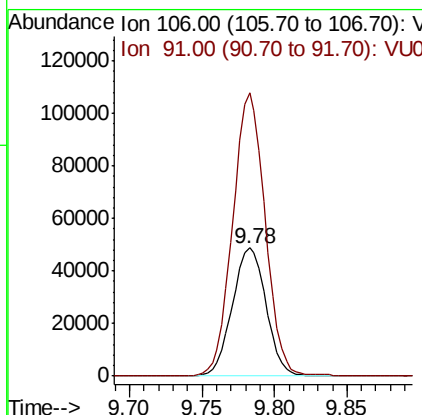
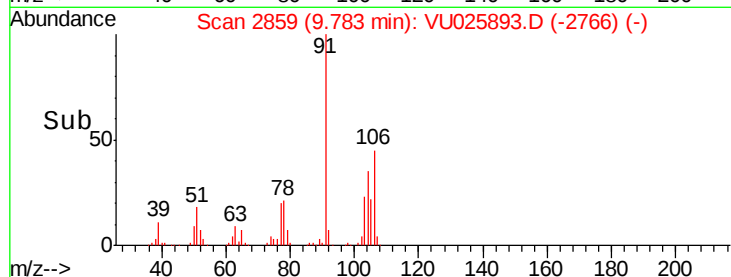
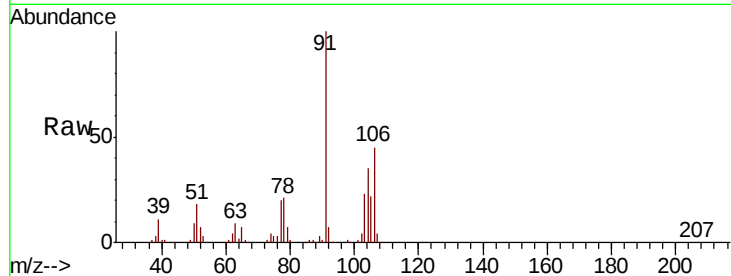
#69
o-Xylene
Concen: 19.67 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion:106 Resp: 78872
Ion Ratio Lower Upper
106 100
91 212.8 105.3 315.8

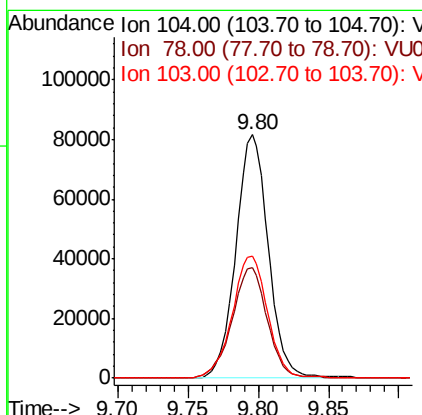
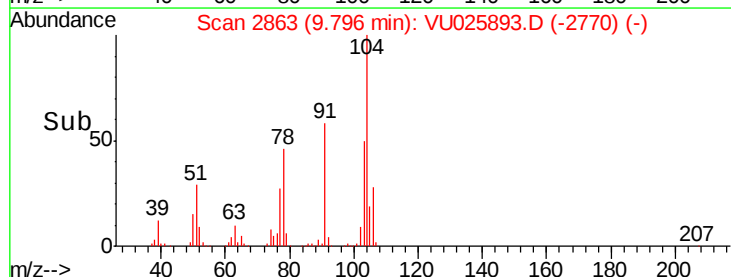
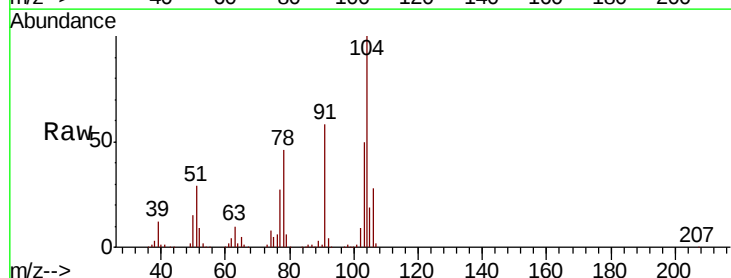
Manual Integrations
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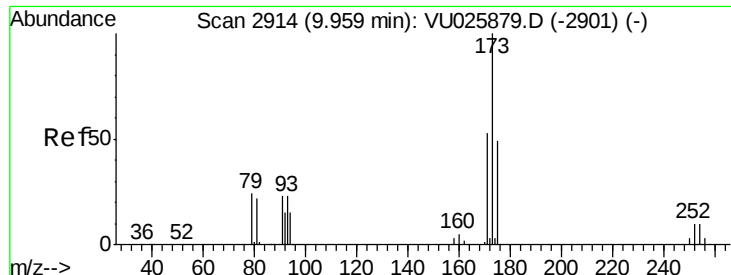
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#70
Styrene
Concen: 20.31 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion:104 Resp: 131595
Ion Ratio Lower Upper
104 100
78 49.5 41.6 62.4
103 54.5 44.6 66.8





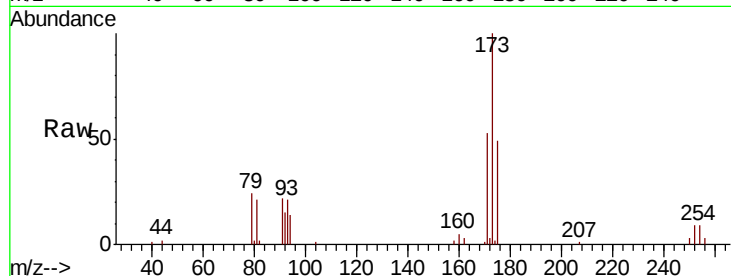
#71
Bromoform
Concen: 19.83 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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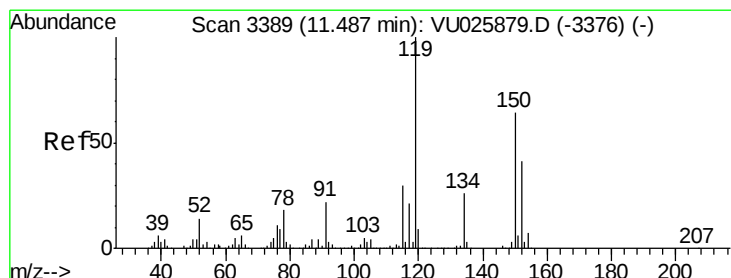
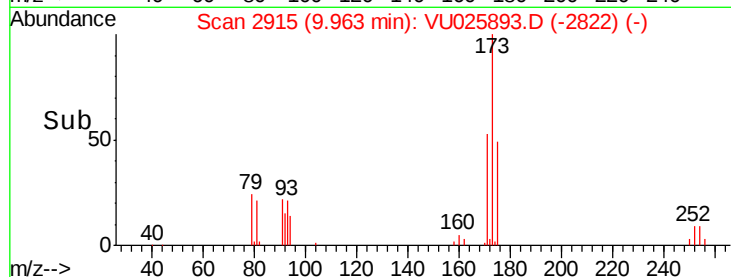
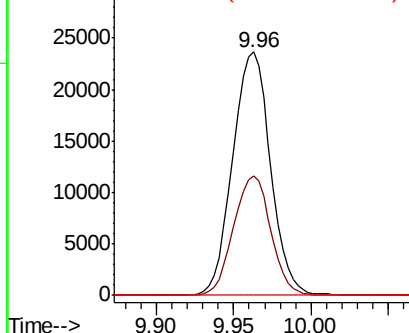


Abundance

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: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

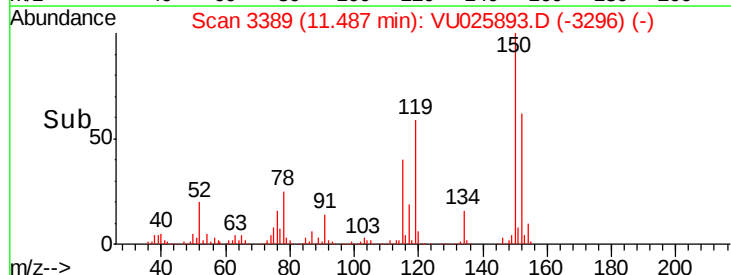
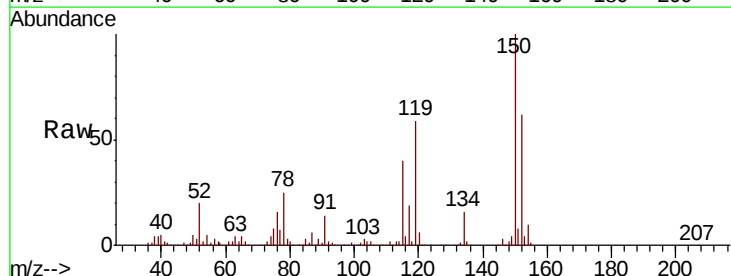
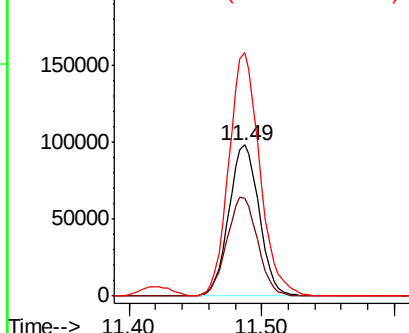
Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	40.1	120.3
150	164.9	0.0	351.4

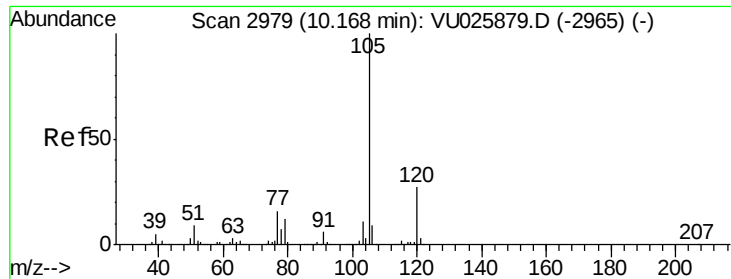
Abundance

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: 20.26 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 105 Resp: 215224

Ion Ratio Lower Upper

105 100

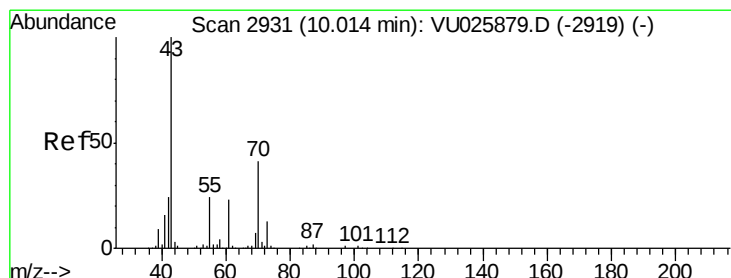
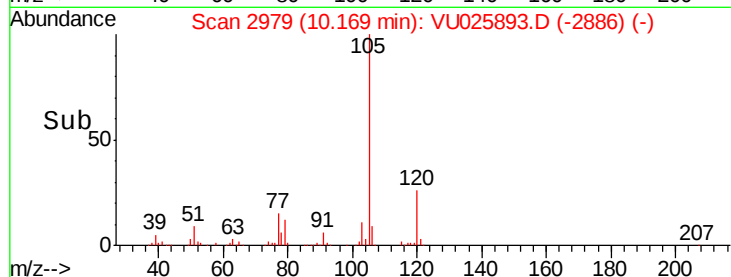
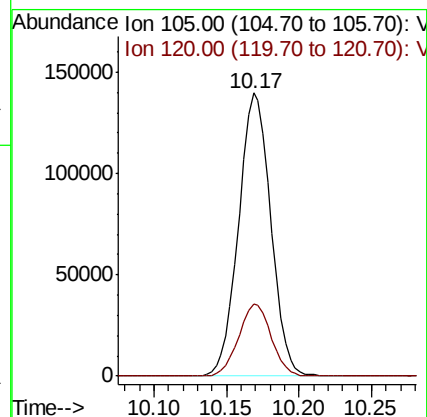
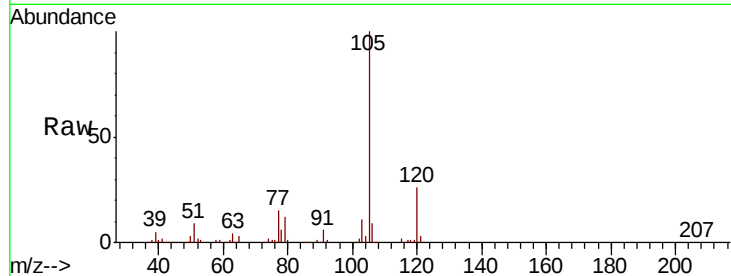
120 25.7 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.95 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion: 43 Resp: 86512

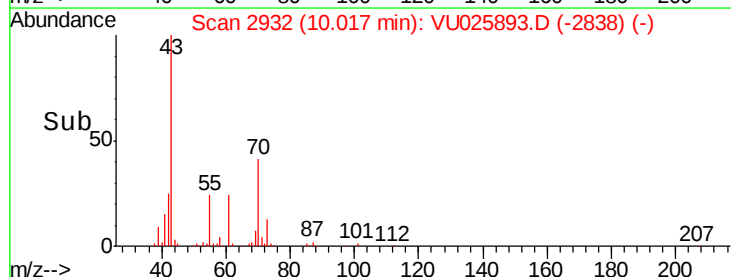
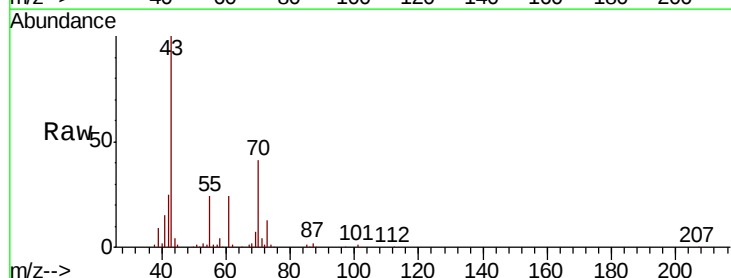
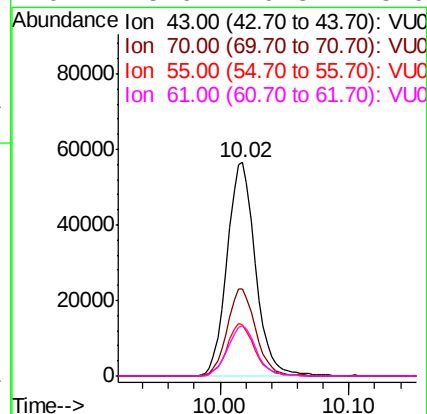
Ion Ratio Lower Upper

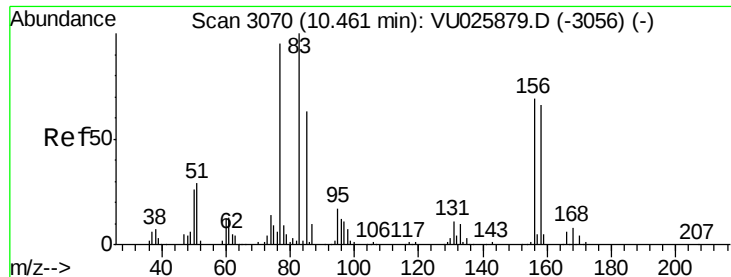
43 100

70 40.9 33.4 50.2

55 24.3 19.0 28.6

61 23.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 83 Resp: 73448

Ion Ratio Lower Upper

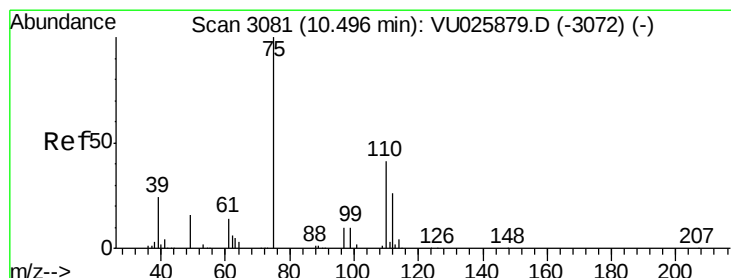
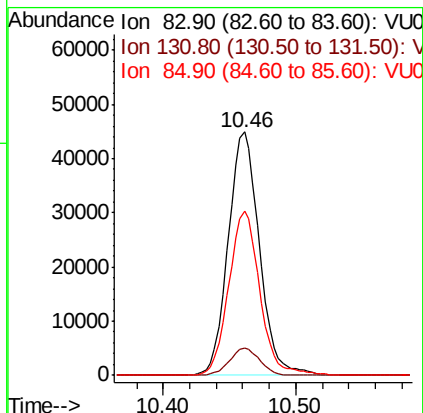
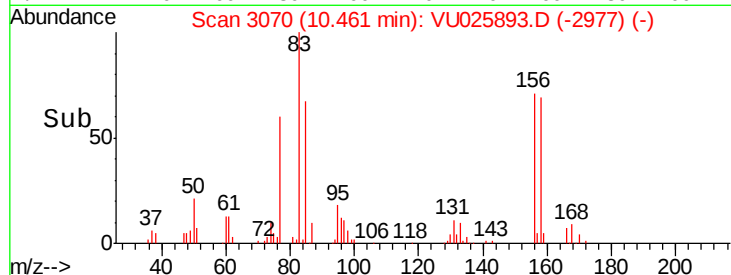
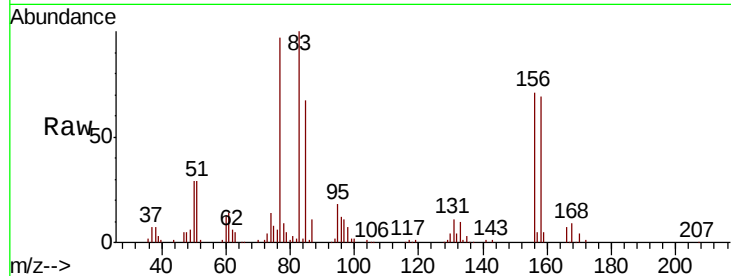
83 100

131 10.7 5.5 16.4

85 67.2 31.6 94.8

Manual Integrations
APPROVED

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8/7/2018 1:51:39 PM



#76

1,2,3-Trichloropropane

Concen: 18.22 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025893.D

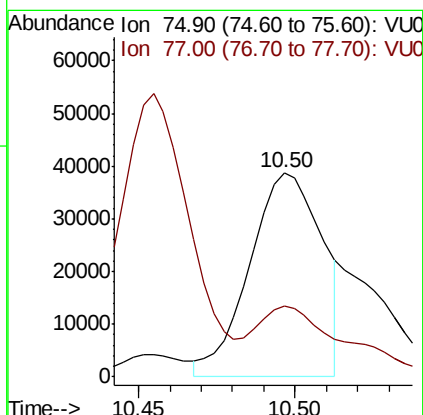
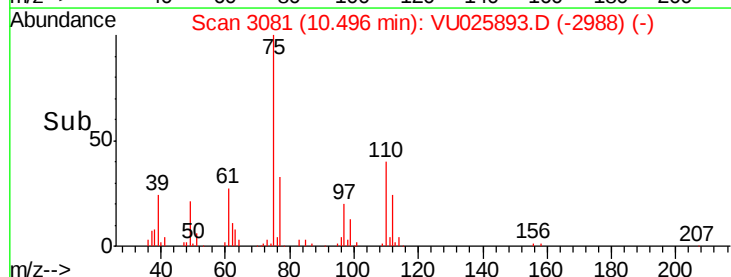
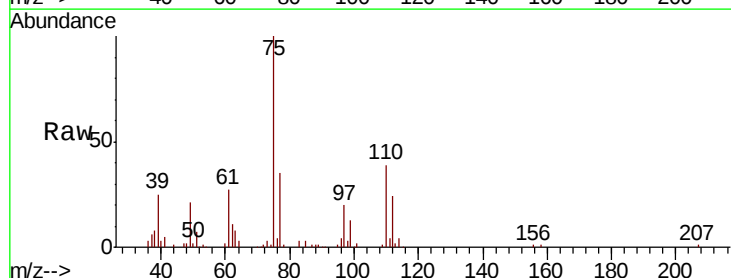
Acq: 06 Aug 2018 18:04

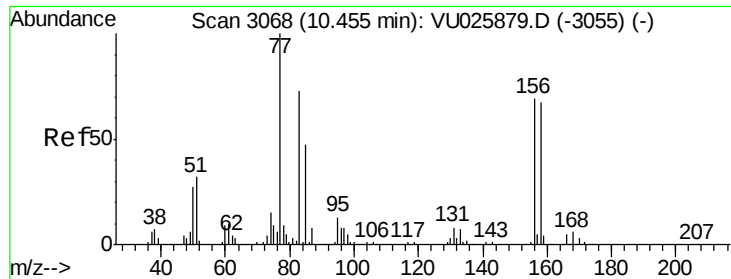
Tgt Ion: 75 Resp: 62498

Ion Ratio Lower Upper

75 100

77 42.1 20.4 61.3





#77

Bromobenzene

Concen: 20.15 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

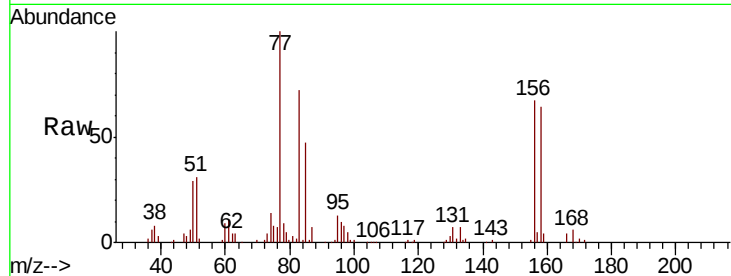
ClientSampleId :

VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.7	73.8	221.4
158	95.1	48.0	144.0

Manual Integrations
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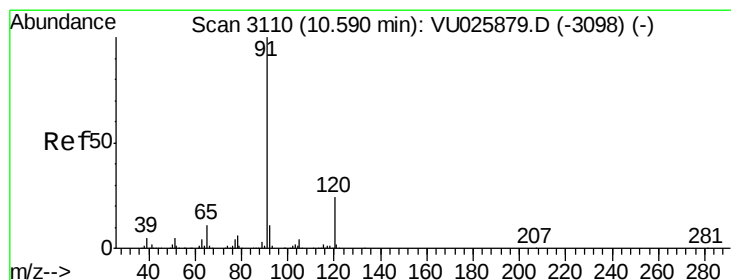
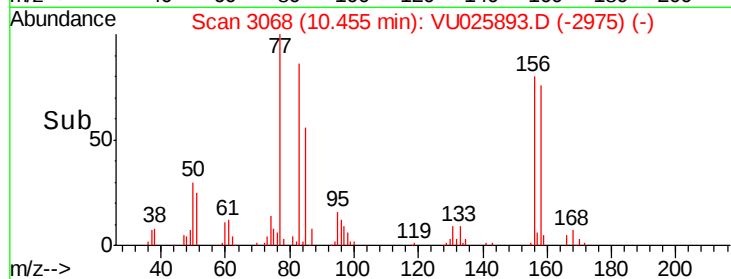
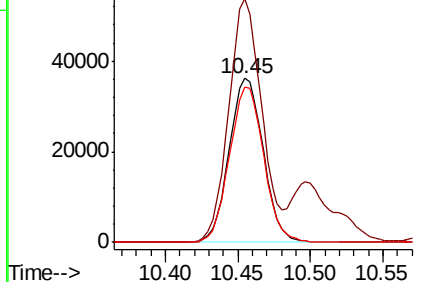
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.15 ug/l

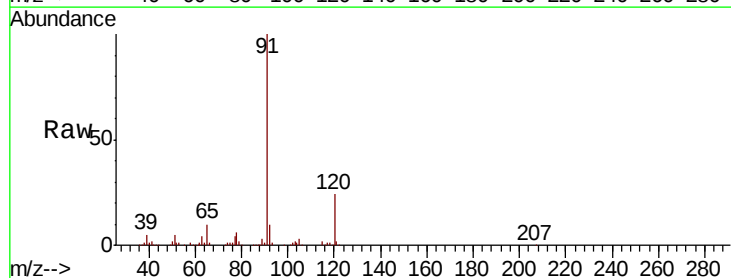
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025893.D

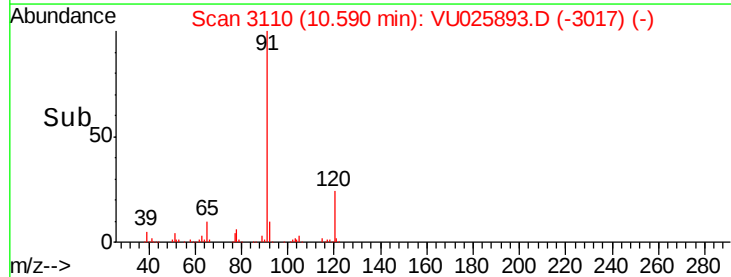
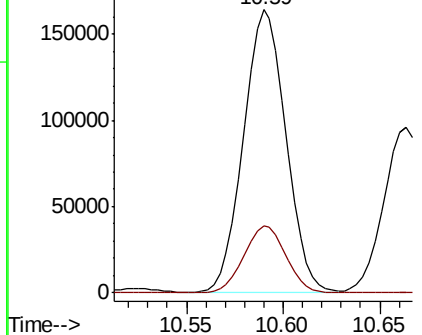
Acq: 06 Aug 2018 18:04

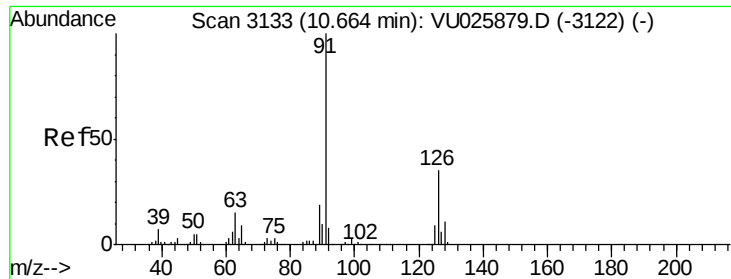
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.68 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion: 91 Resp: 150227

Ion Ratio Lower Upper

91 100

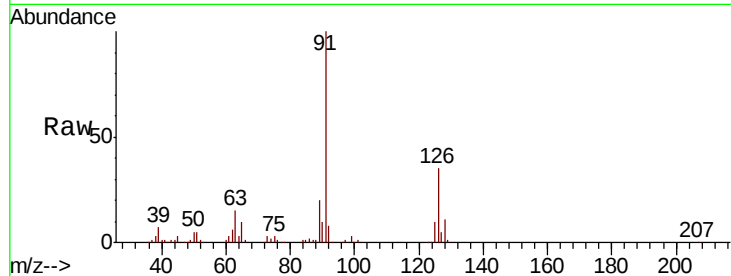
126 34.2 17.5 52.6

Manual Integrations

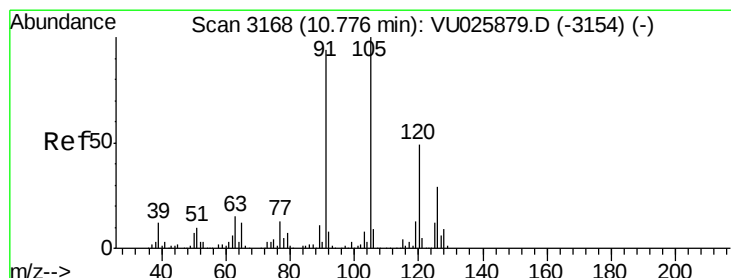
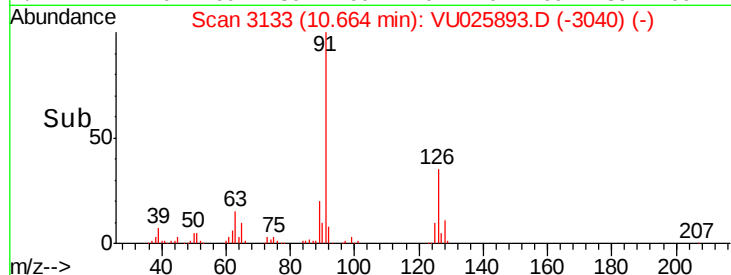
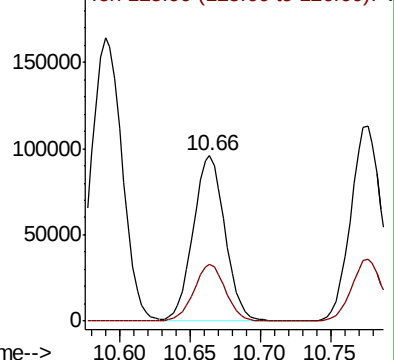
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Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.37 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025893.D

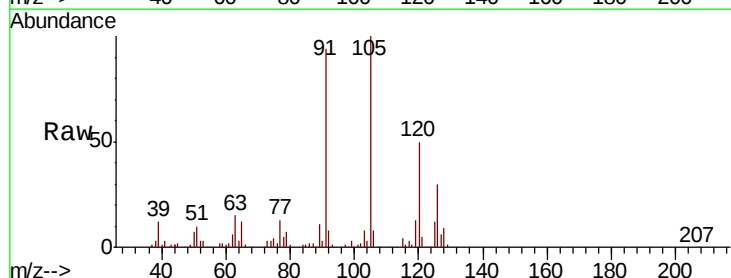
Acq: 06 Aug 2018 18:04

Tgt Ion:105 Resp: 183817

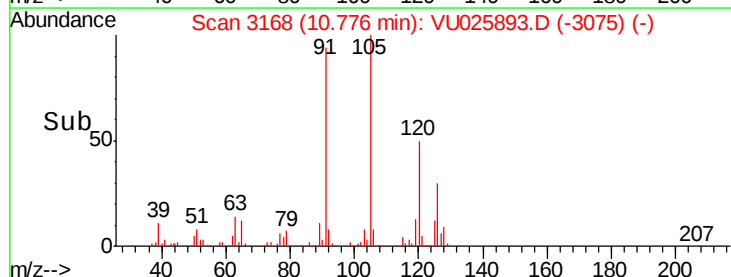
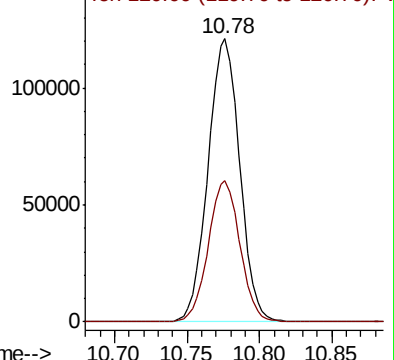
Ion Ratio Lower Upper

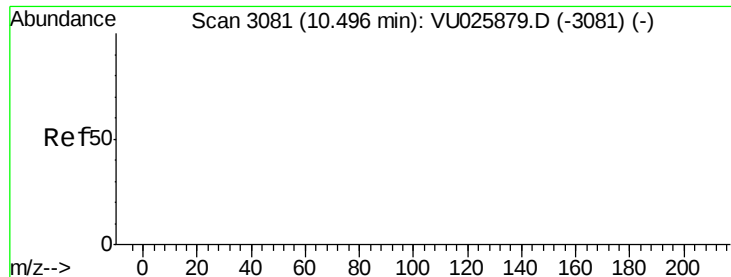
105 100

120 49.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025879.D (-3154) (-)





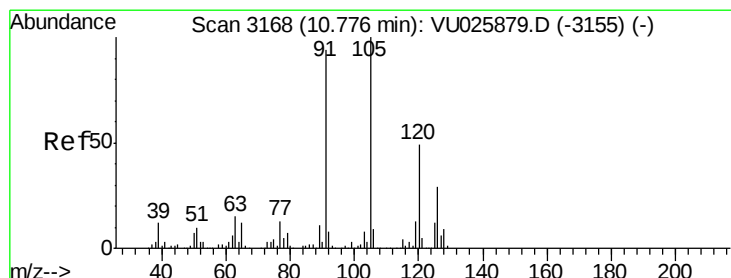
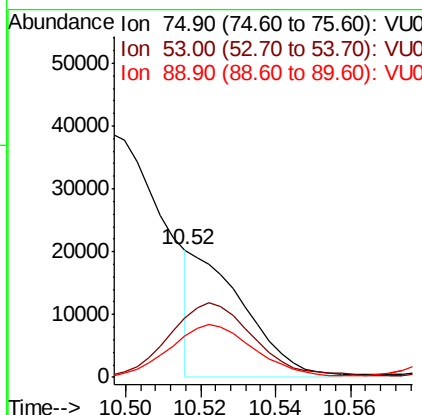
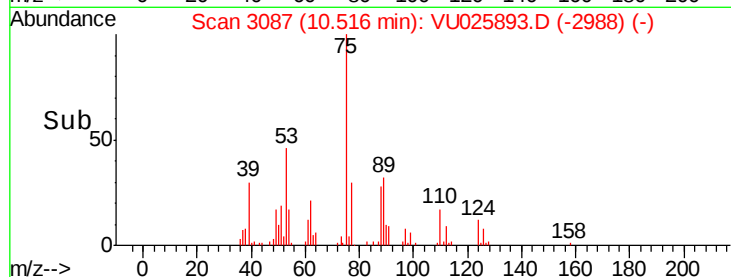
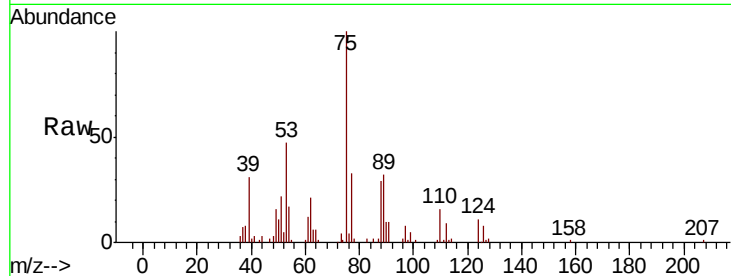
#81
trans-1,4-Dichloro-2-butene
Concen: 14.45 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

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

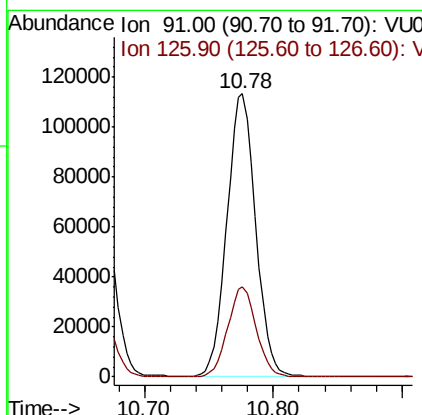
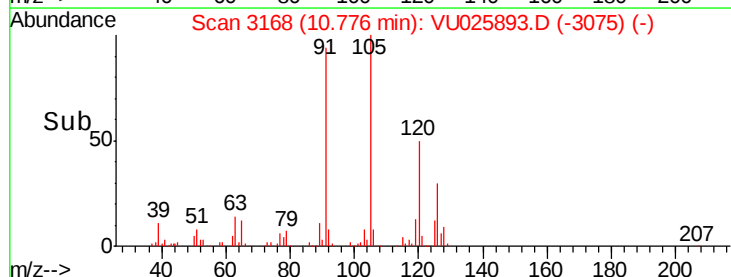
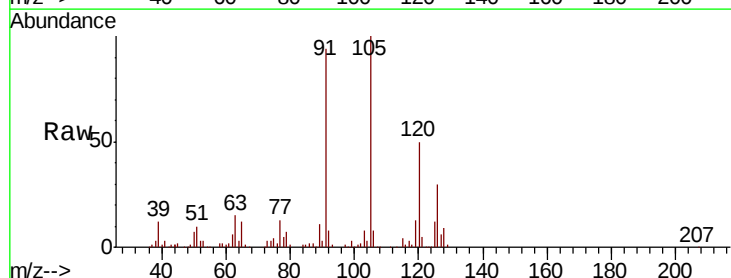
Manual Integrations
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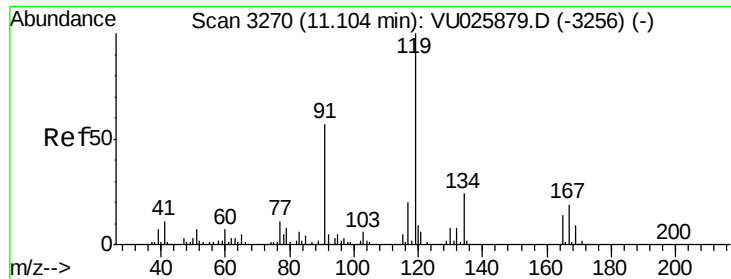
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#82
4-Chlorotoluene
Concen: 20.39 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.3	45.9





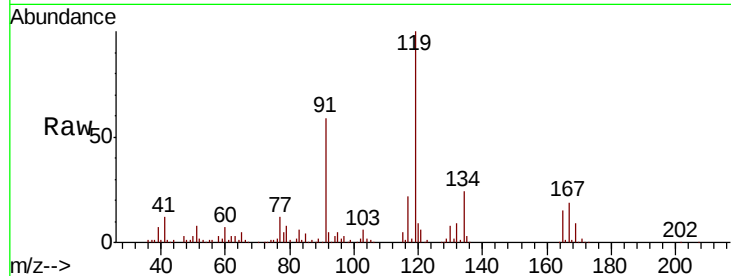
#83
 tert-Butylbenzene
 Concen: 19.02 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	170465		
91	58.4	29.7	89.1	
134	23.7	11.5	34.5	

Manual Integrations
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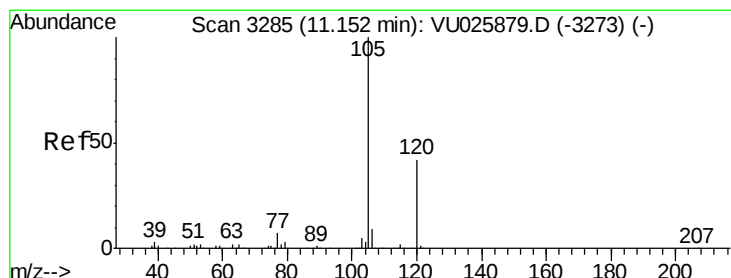
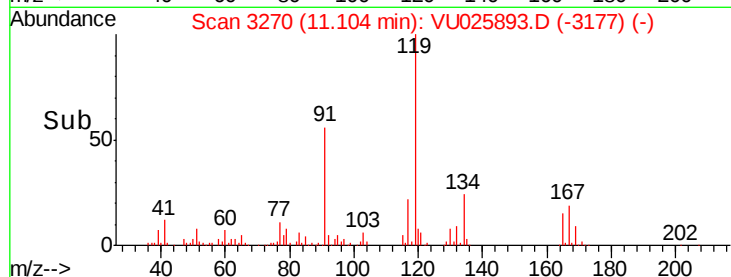
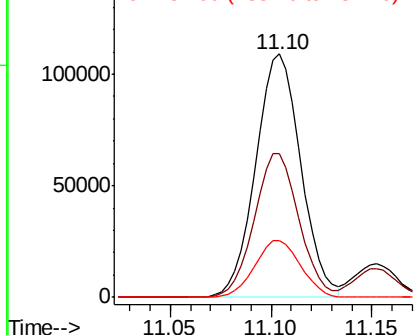


Abundance

Ion 119.00 (118.70 to 119.70): V

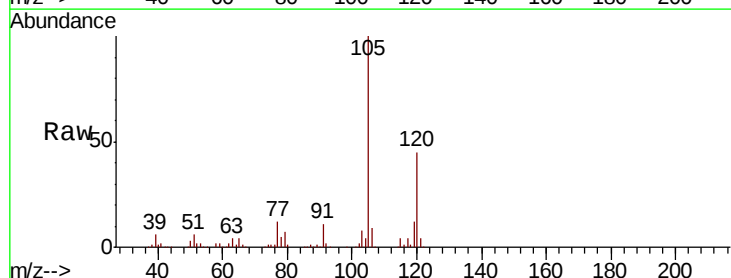
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.64 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

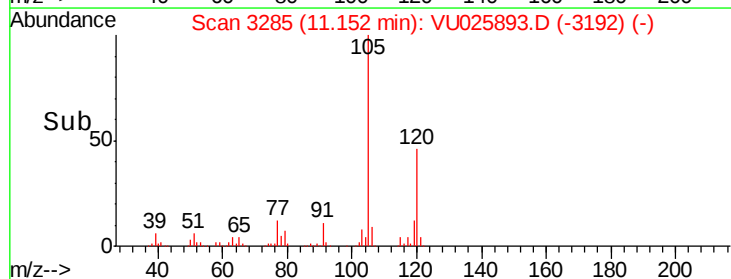
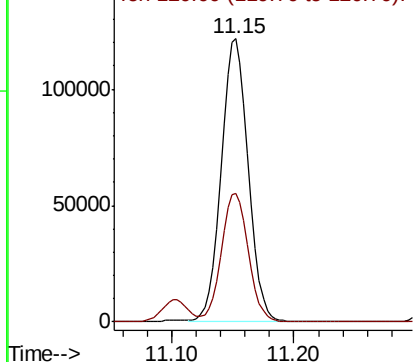
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188710		
120	45.5	22.3	66.8	

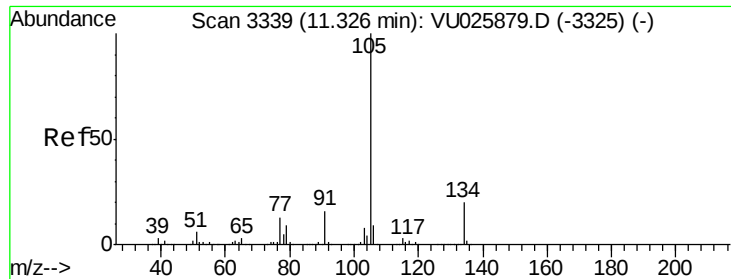


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.48 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD01

Tot Ion:105 Resp: 213162

Ion Ratio Lower Upper

105 100

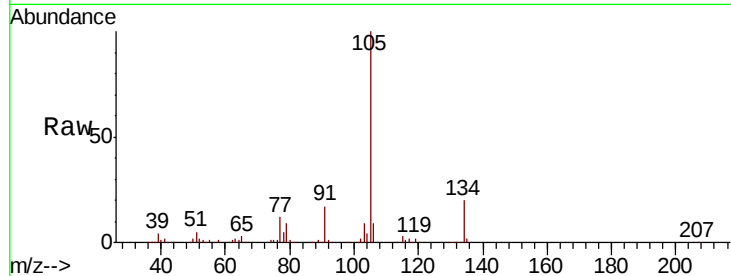
134 20.5 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

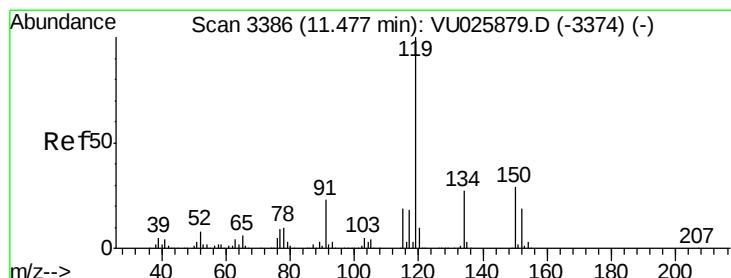
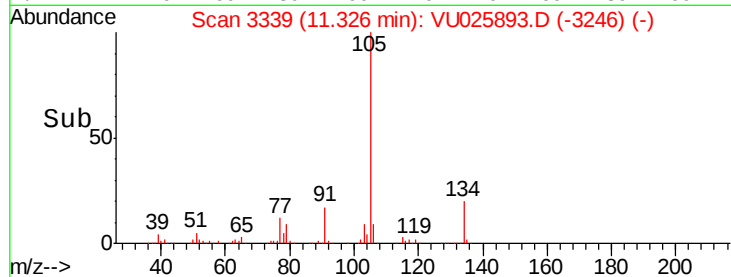
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.53 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

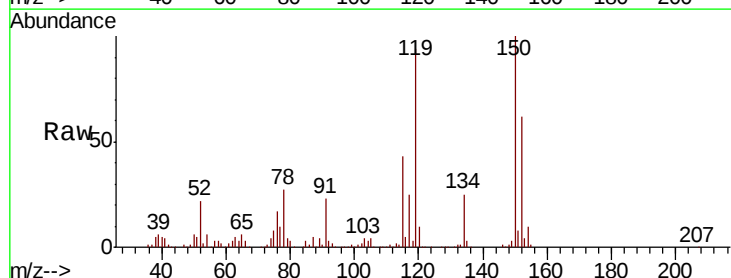
Tgt Ion:119 Resp: 191404

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 24.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.48

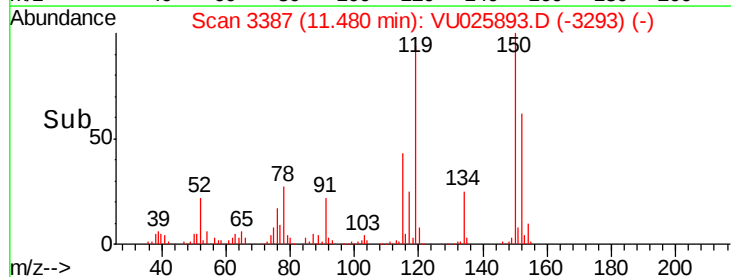
150000

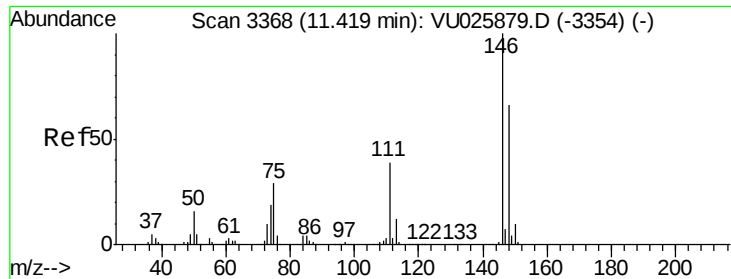
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.09 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Instrument :

MSVOA_U

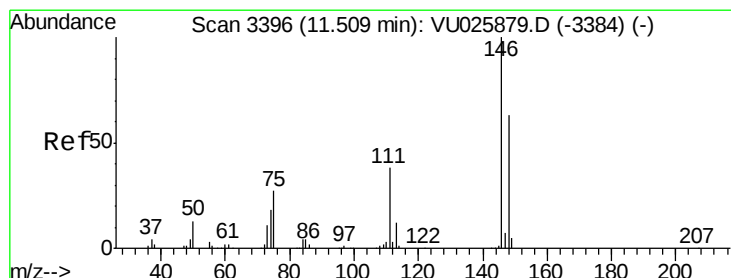
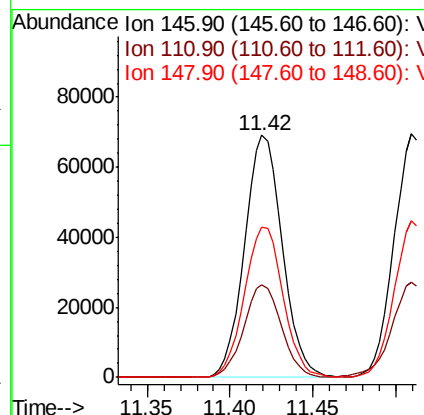
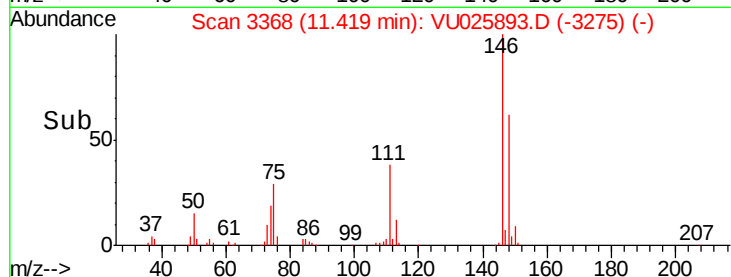
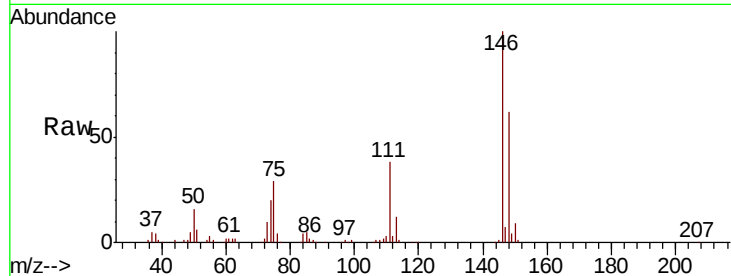
ClientSampleId :

VU0806WBSD01

Tot Ion:	146	Resp:	109272
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.7	59.1
148	63.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.28 ug/l

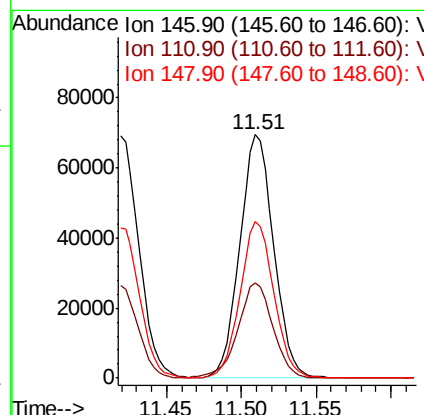
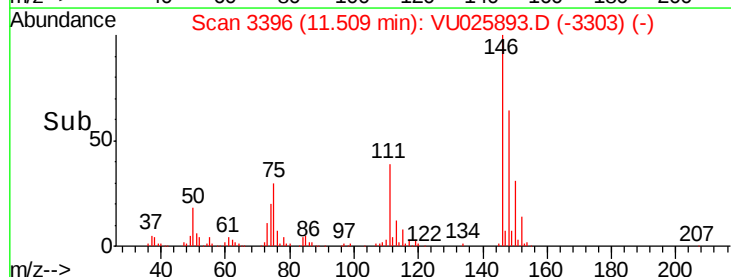
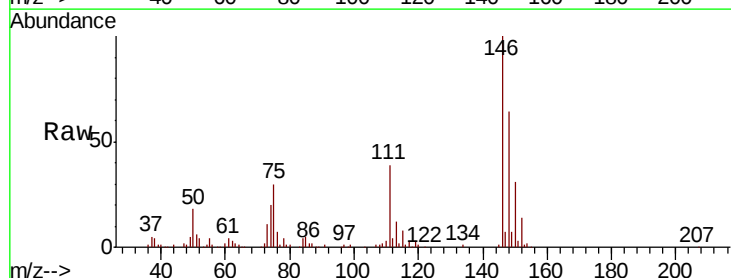
RT: 11.51 min Scan# 3396

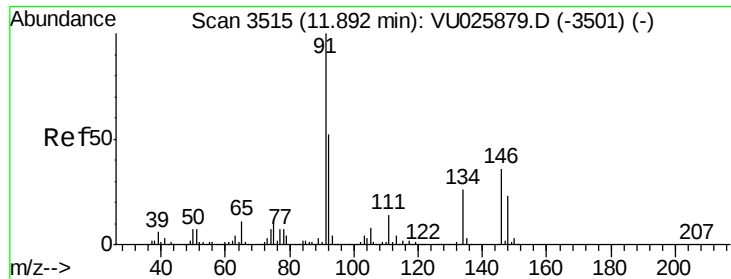
Delta R.T. 0.00 min

Lab File: VU025893.D

Acq: 06 Aug 2018 18:04

Tgt Ion:	146	Resp:	109290
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.4	58.1
148	64.5	31.7	95.1





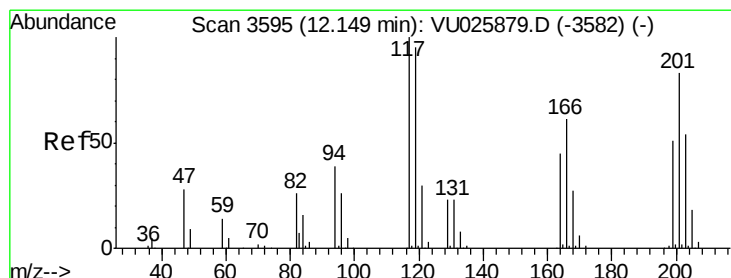
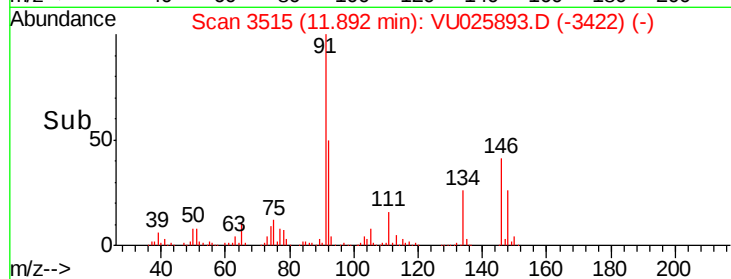
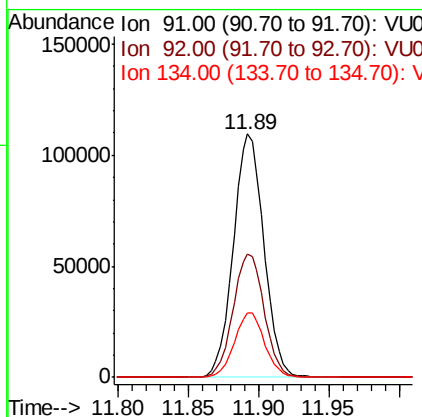
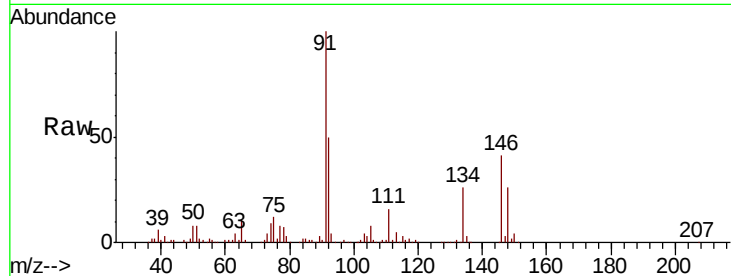
#89
n-Butylbenzene
Concen: 18.38 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.5	26.5	79.5	
134	26.2	13.6	40.7	

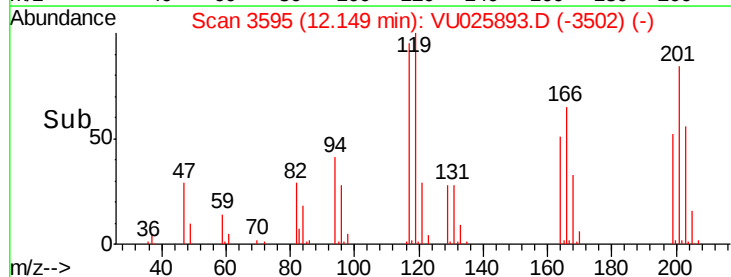
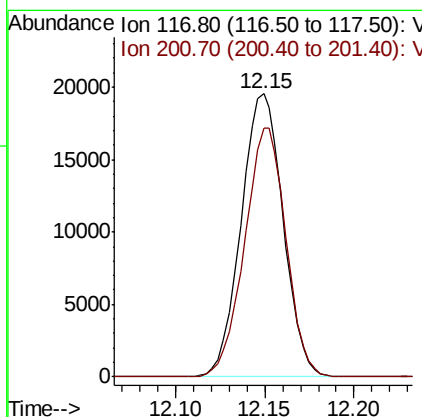
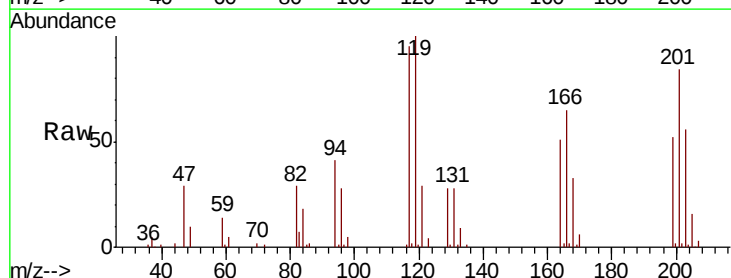
Manual Integrations
APPROVED

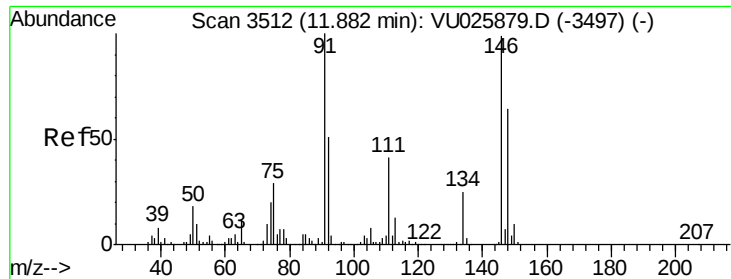
MMDadoda
8/7/2018 1:51:39 PM



#90
Hexachloroethane
Concen: 18.49 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.4	42.5	127.6	





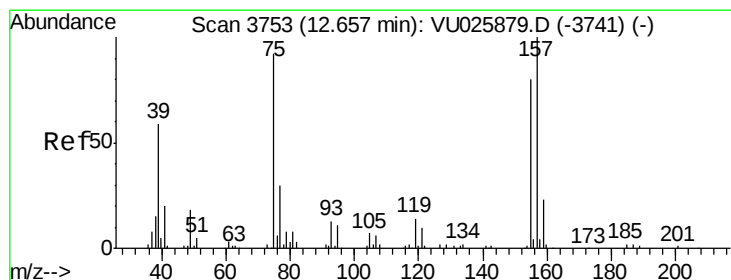
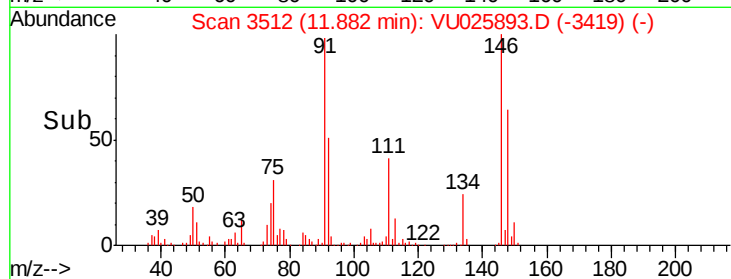
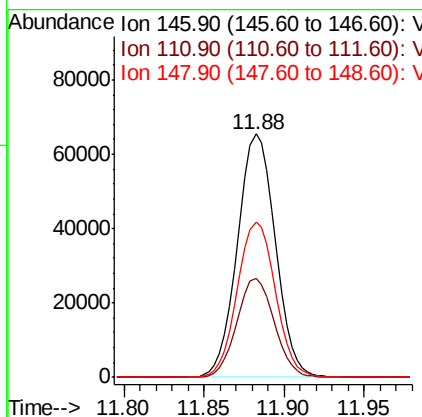
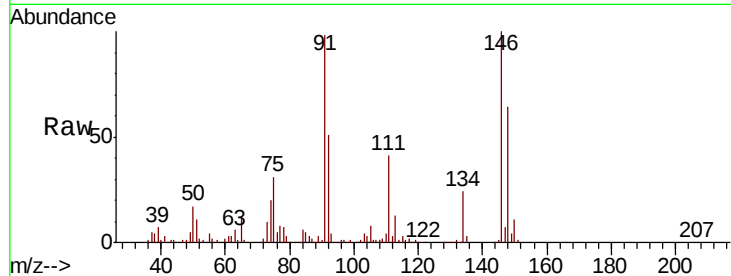
#91
 1,2-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.5	31.5	94.5

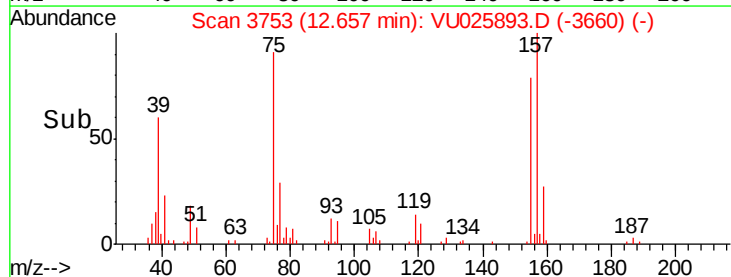
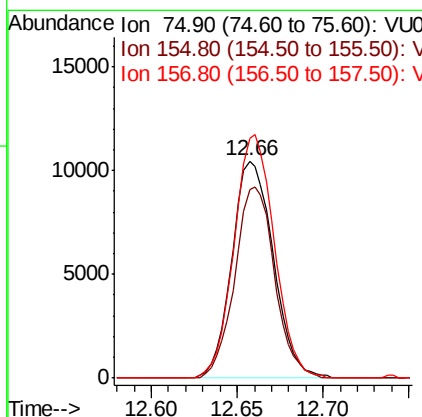
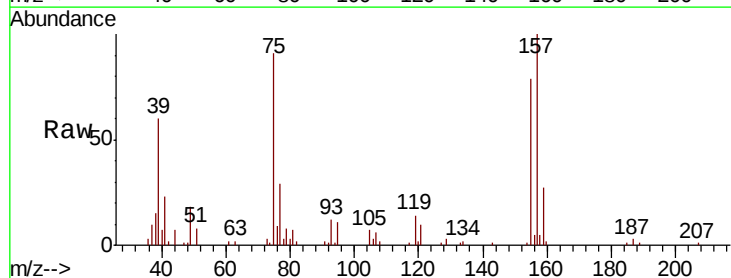
Manual Integrations
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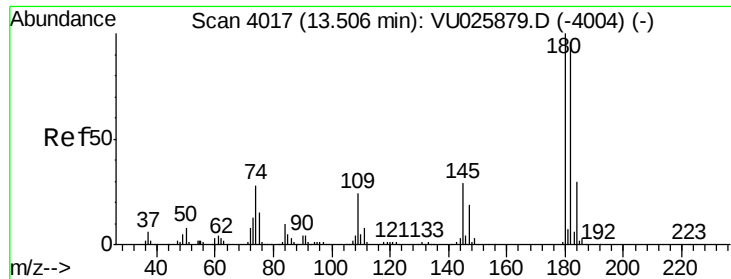
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.10 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	44.5	133.3
157	108.9	57.0	170.8





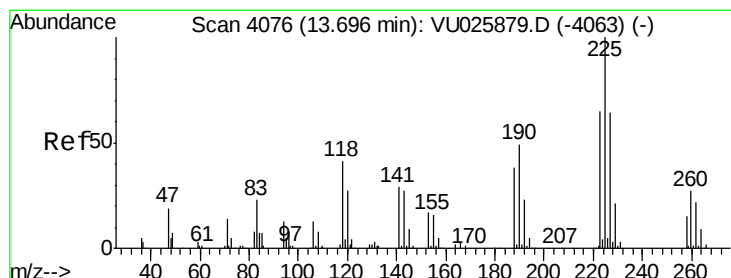
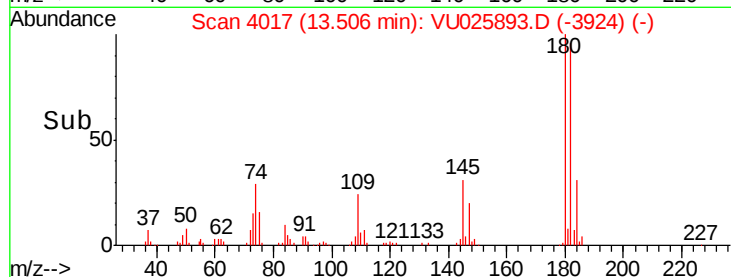
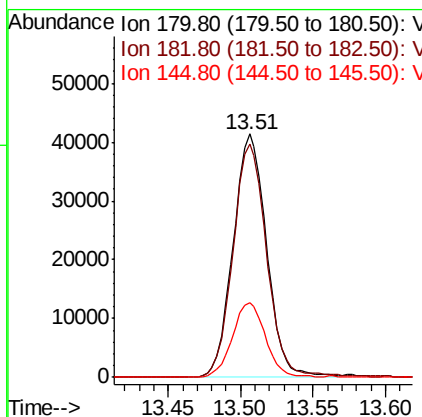
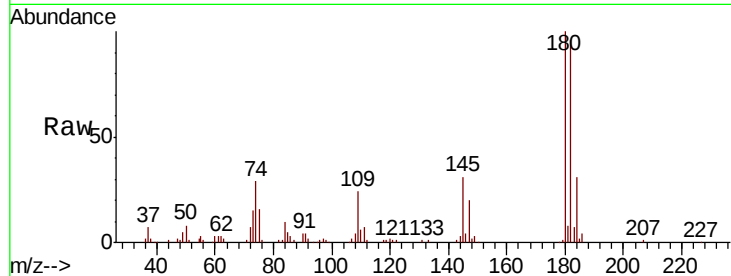
#93
 1,2,4-Trichlorobenzene
 Concen: 18.44 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.9
145	30.4	14.9	44.7

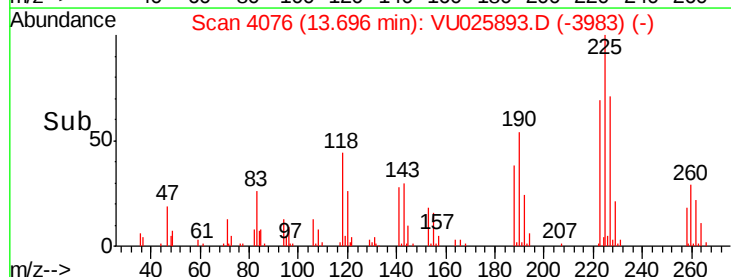
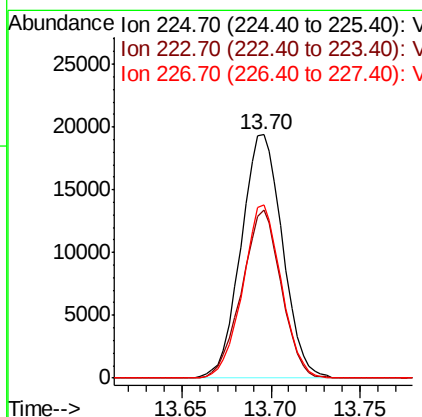
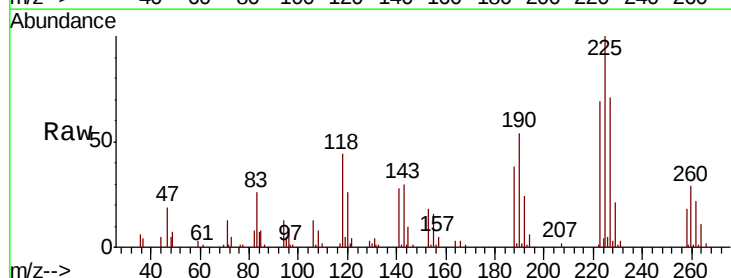
Manual Integrations
 APPROVED

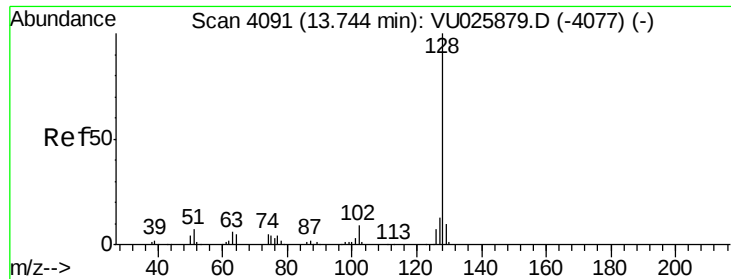
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#94
 Hexachlorobutadiene
 Concen: 16.58 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025893.D
 Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.9	95.7
227	66.2	32.3	96.9





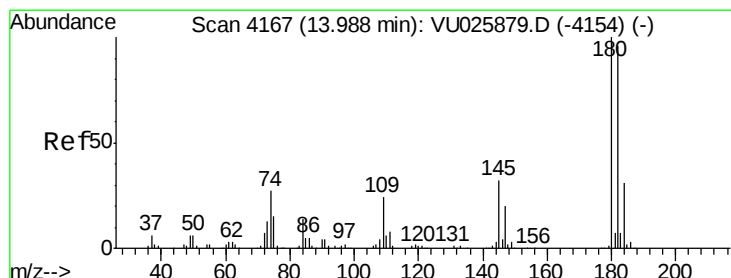
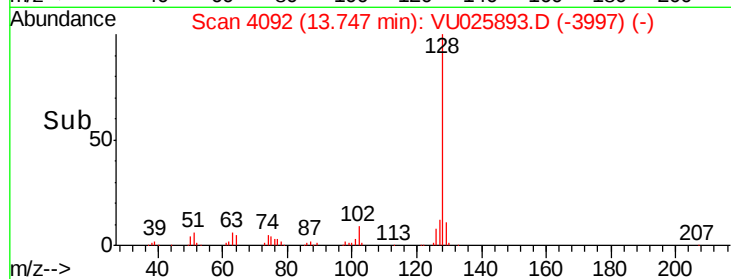
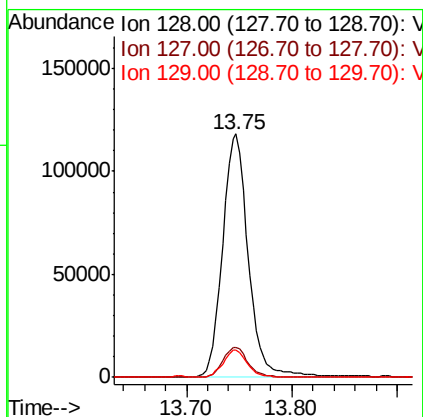
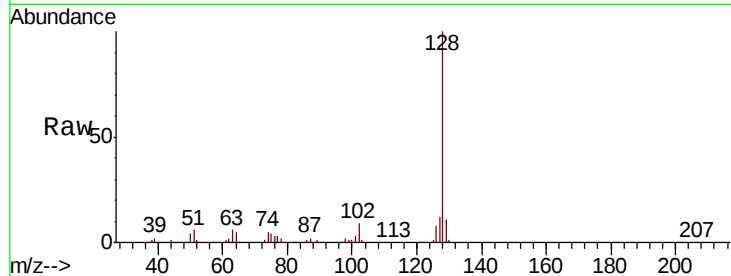
#95
Naphthalene
Concen: 18.12 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.47 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025893.D
Acq: 06 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	31.9	15.6	46.8

