

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025910.D
 Acq On : 07 Aug 2018 01:30
 Operator : MD/SY
 Sample : VN0806WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 5:45:34 PM

Quant Time: Aug 07 04:54:55 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	165104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	136578	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	4.89	113	112201	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	7.57	98	394067	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	10.31	95	148150	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	38335	15.36	ug/l	98
3) Chloromethane	1.33	50	38848	16.29	ug/l	100
4) Vinyl Chloride	1.40	62	42317	18.85	ug/l	96
5) Bromomethane	1.63	94	22400	20.43	ug/l	99
6) Chloroethane	1.70	64	25382	19.34	ug/l	97
7) Trichlorofluoromethane	1.89	101	62857	19.37	ug/l	99
8) Diethyl Ether	2.10	74	22549	19.20	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	36765	19.58	ug/l	97
10) Methyl Iodide	2.41	142	23081	19.51	ug/l	98
11) Tert butyl alcohol	2.83	59	58888	104.56	ug/l	99
12) 1,1-Dichloroethene	2.28	96	35681	20.13	ug/l	92
13) Acrolein	2.19	56	32835	160.25	ug/l	100
14) Allyl chloride	2.59	41	59313	18.62	ug/l	100
15) Acrylonitrile	2.94	53	116166	103.30	ug/l	98
16) Acetone	2.32	43	138110	110.12	ug/l	100
17) Carbon Disulfide	2.48	76	112843	19.67	ug/l	100
18) Methyl Acetate	2.62	43	58103	19.25	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	131685	20.50	ug/l	98
20) Methylene Chloride	2.70	84	44282	19.92	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41802	20.40	ug/l	98
22) Diisopropyl ether	3.58	45	132755	21.15	ug/l	95
23) Vinyl Acetate	3.53	43	573937	104.91	ug/l	100
24) 1,1-Dichloroethane	3.45	63	76685	20.35	ug/l	99
25) 2-Butanone	4.27	43	213993	125.34	ug/l	99
26) 2,2-Dichloropropane	4.23	77	49228	14.37	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	46933	20.31	ug/l	94
28) Bromochloromethane	4.55	49	35807	21.25	ug/l	98
29) Tetrahydrofuran	4.64	42	109349	106.90	ug/l	98
30) Chloroform	4.68	83	80873	20.33	ug/l	99
31) Cyclohexane	5.00	56	68028	19.94	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	74046	20.68	ug/l	99
36) 1,1-Dichloropropene	5.14	75	59309	20.07	ug/l	98
37) Ethyl Acetate	4.38	43	64497	21.05	ug/l	99
38) Carbon Tetrachloride	5.14	117	64999	19.42	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62567	18.48	ug/l	93
40) Benzene	5.39	78	171076	19.80	ug/l	97
41) Methacrylonitrile	4.55	41	35024	20.58	ug/l	100
42) 1,2-Dichloroethane	5.41	62	68433	20.57	ug/l	100
43) Isopropyl Acetate	5.55	43	102718	20.28	ug/l	99
44) Trichloroethene	6.19	130	47346	19.68	ug/l	96
45) 1,2-Dichloropropane	6.44	63	44075	19.56	ug/l	96
46) Dibromomethane	6.56	93	32762	20.07	ug/l	99
47) Bromodichloromethane	6.76	83	62305	20.01	ug/l	95
48) Methyl methacrylate	6.63	41	50575	20.38	ug/l	99
49) 1,4-Dioxane	6.62	88	25249	418.05	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	407307	128.47	ug/l	100
52) Toluene	7.64	92	108900	20.29	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	65681	18.78	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	69818	19.44	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	45253	20.29	ug/l	95
56) Ethyl methacrylate	8.02	69	62991	19.77	ug/l	99
57) 1,3-Dichloropropane	8.25	76	74729	19.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	124973	91.23	ug/l	98
59) 2-Hexanone	8.36	43	311322	125.27	ug/l	99
60) Dibromochloromethane	8.48	129	52035	19.78	ug/l	99
61) 1,2-Dibromoethane	8.59	107	49681	20.03	ug/l	98
64) Tetrachloroethene	8.23	164	46301	21.57	ug/l	99
65) Chlorobenzene	9.12	112	125269	19.93	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	46332	20.37	ug/l	98
67) Ethyl Benzene	9.25	91	204783	19.67	ug/l	99
68) m/p-Xylenes	9.38	106	162268	40.59	ug/l	97
69) o-Xylene	9.78	106	78996	20.22	ug/l	100
70) Styrene	9.80	104	129942	20.59	ug/l	98
71) Bromoform	9.96	173	40221	20.40	ug/l #	98
73) Isopropylbenzene	10.17	105	213361	20.45	ug/l	99
74) N-amyl acetate	10.01	43	87387	20.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	72982	20.23	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	65478m	19.44	ug/l	
77) Bromobenzene	10.45	156	57923	20.13	ug/l	99
78) n-propylbenzene	10.59	91	243585	20.01	ug/l	100
79) 2-Chlorotoluene	10.66	91	146829	20.59	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	178623	20.16	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	21466m	15.98	ug/l	
82) 4-Chlorotoluene	10.78	91	172585	20.53	ug/l	98
83) tert-Butylbenzene	11.10	119	172725	19.62	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	183498	20.44	ug/l	97
85) sec-Butylbenzene	11.33	105	209485	19.49	ug/l	99
86) p-Isopropyltoluene	11.48	119	189891	19.73	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	105504	19.76	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	106858	19.19	ug/l	99
89) n-Butylbenzene	11.89	91	165050	18.59	ug/l	97
90) Hexachloroethane	12.15	117	32746	19.14	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	102492	19.58	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17785	20.80	ug/l	96

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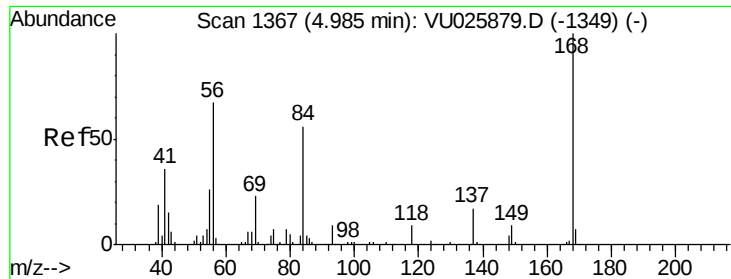
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	69414	19.65	ug/l	98
94) Hexachlorobutadiene	13.70	225	30836	16.56	ug/l	100
95) Naphthalene	13.75	128	201843	18.59	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	68508	19.44	ug/l	100

(#) = 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: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion:168 Resp: 165104

Ion Ratio Lower Upper

168 100

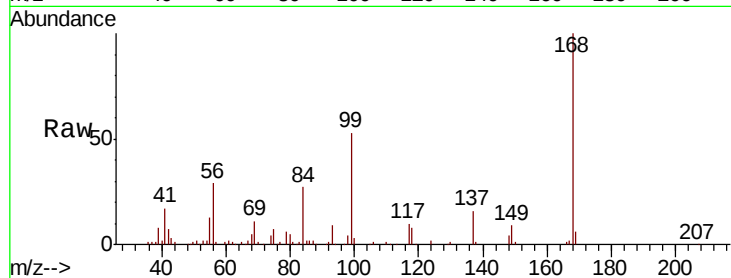
99 53.0 42.8 64.2

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU025910.D (-1275) (-)

80000

60000

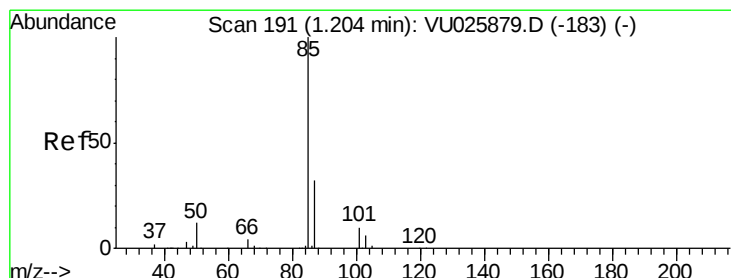
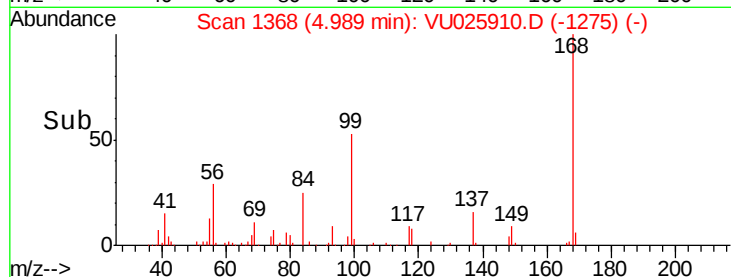
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.36 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025910.D

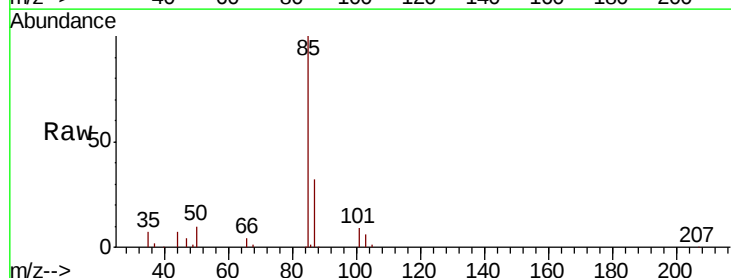
Acq: 07 Aug 2018 01:30

Tgt Ion: 85 Resp: 38335

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): VU025910.D (-98) (-)

40000

30000

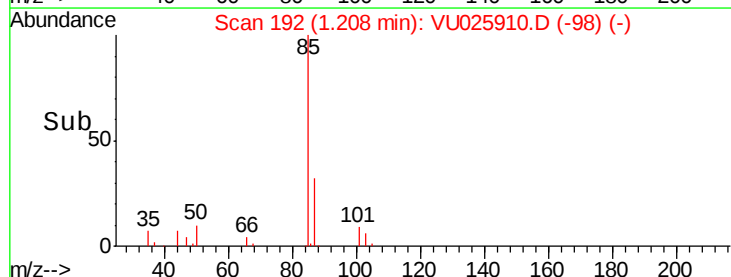
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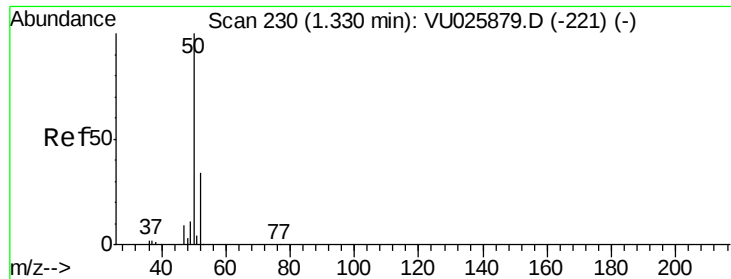
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.29 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 50 Resp: 38848

Ion Ratio Lower Upper

50 100

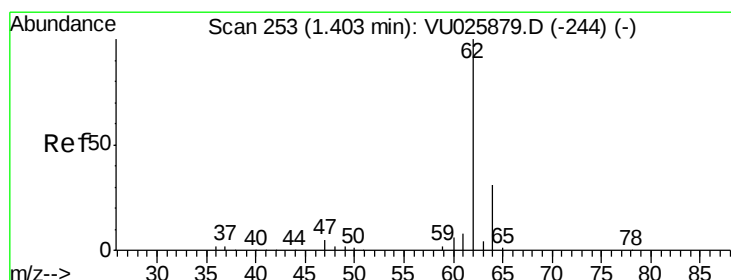
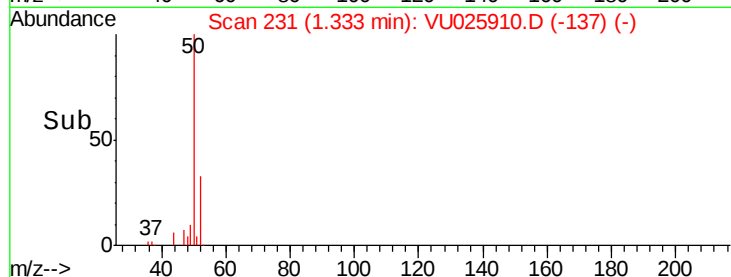
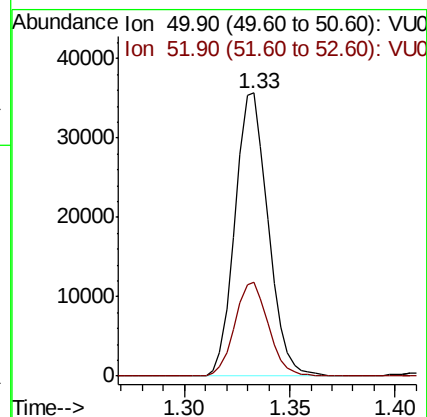
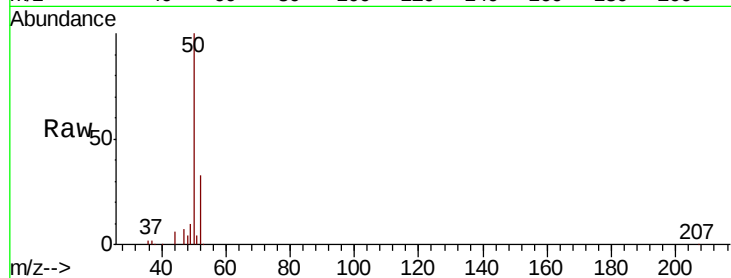
52 33.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.85 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025910.D

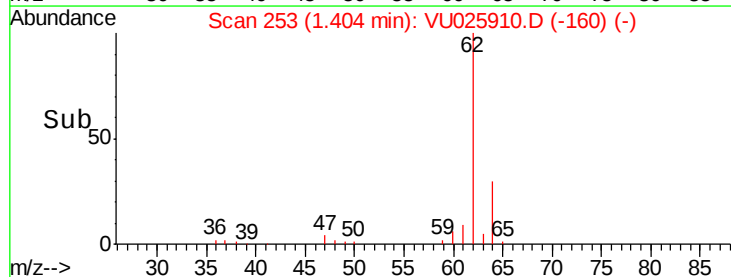
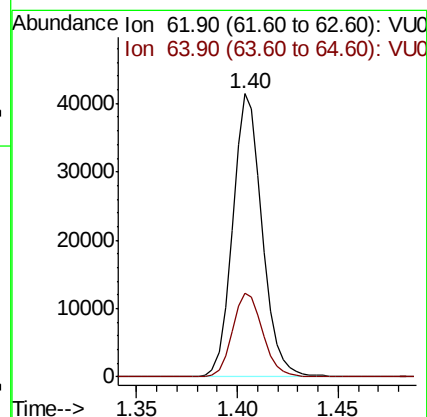
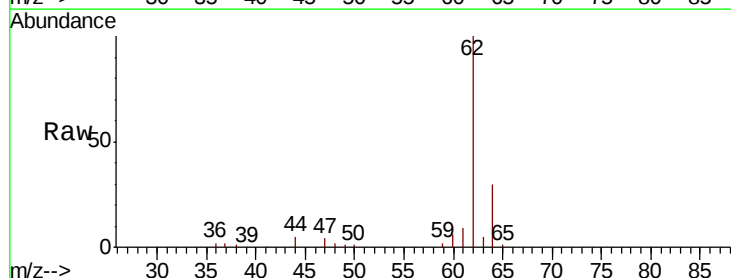
Acq: 07 Aug 2018 01:30

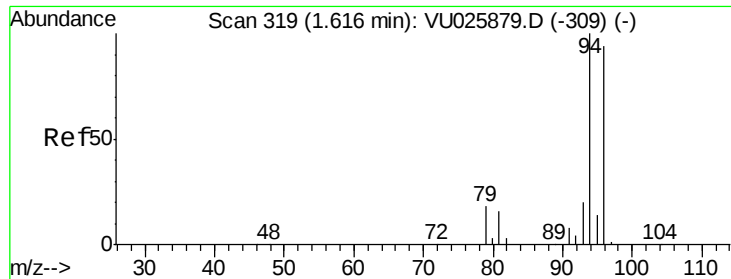
Tgt Ion: 62 Resp: 42317

Ion Ratio Lower Upper

62 100

64 29.7 25.4 38.0





#5

Bromomethane

Concen: 20.43 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 94 Resp: 22400

Ion Ratio Lower Upper

94 100

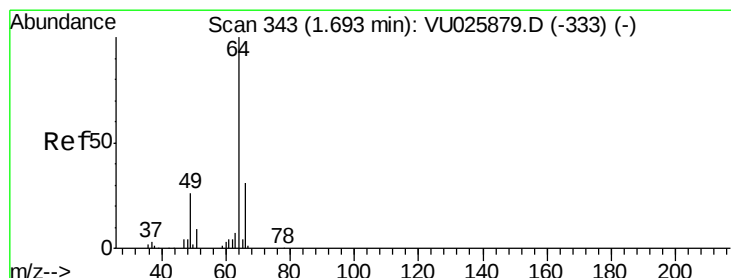
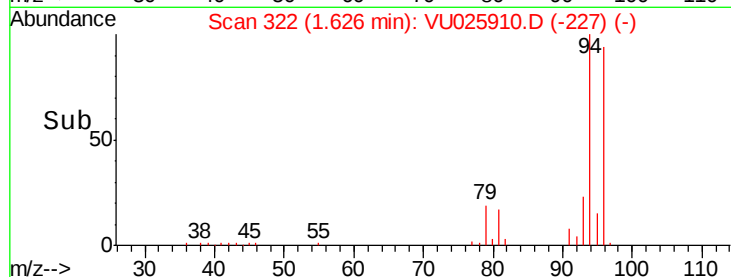
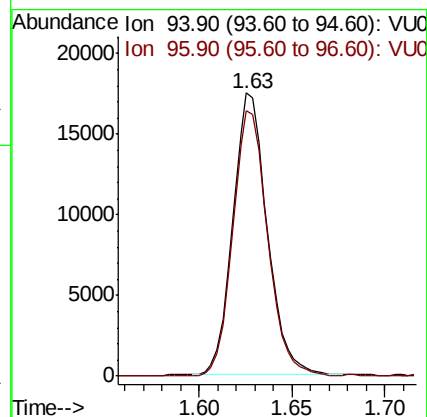
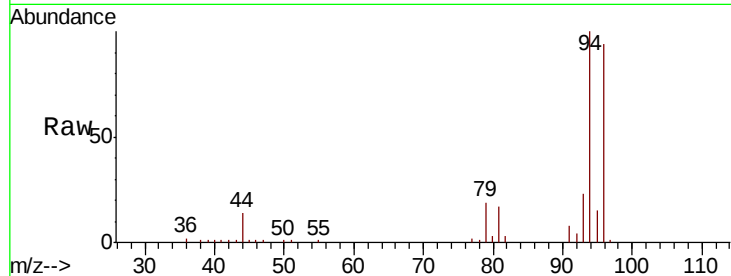
96 94.5 75.0 112.4

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#6

Chloroethane

Concen: 19.34 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025910.D

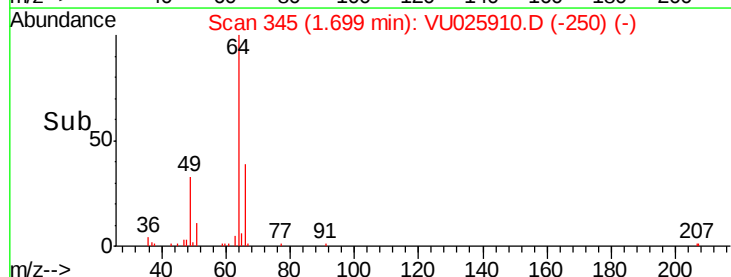
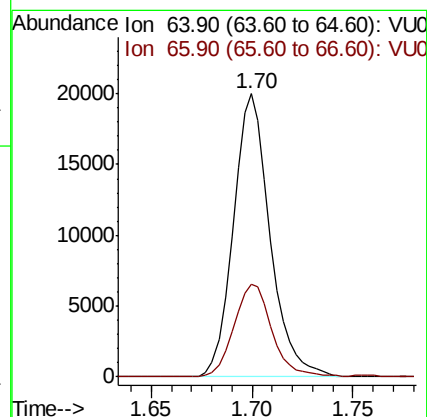
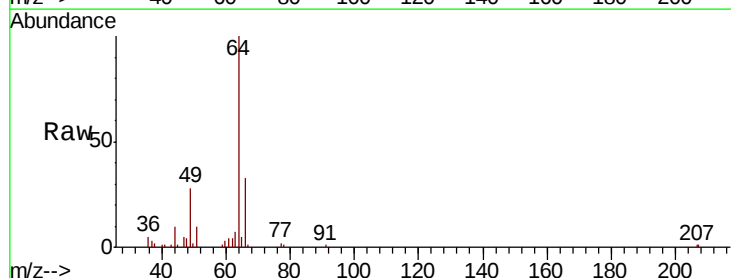
Acq: 07 Aug 2018 01:30

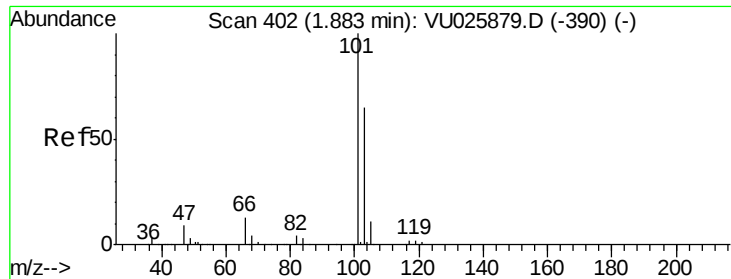
Tgt Ion: 64 Resp: 25382

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4





#7

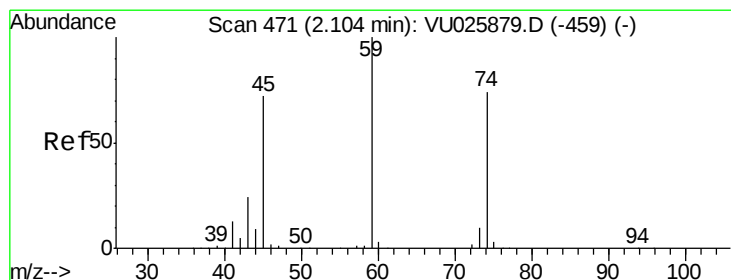
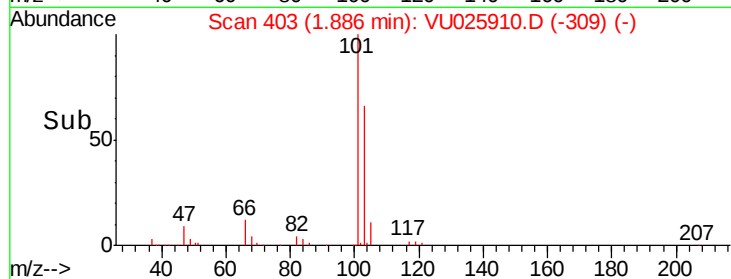
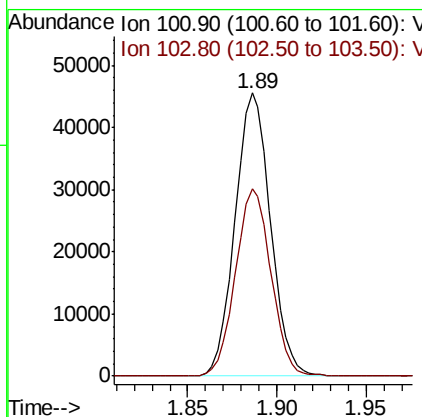
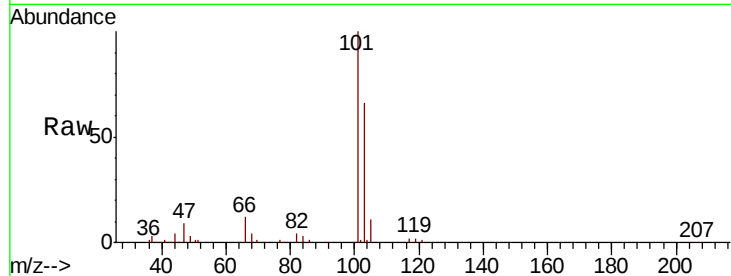
Trichlorofluoromethane
Concen: 19.37 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

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ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.2	78.2

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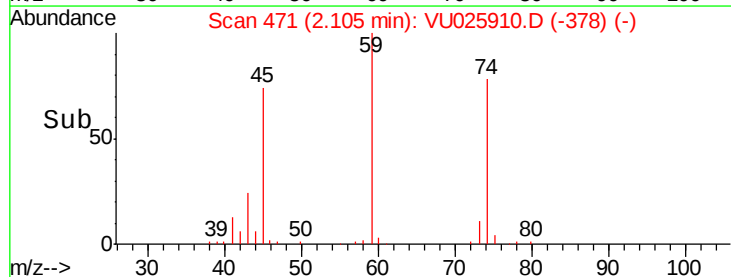
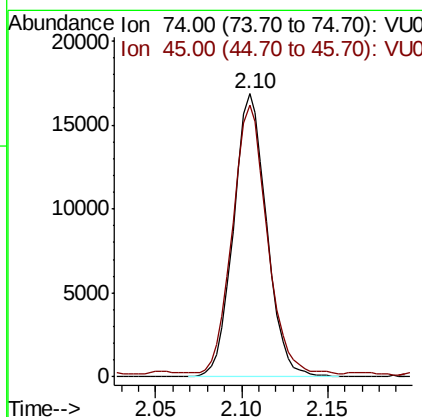
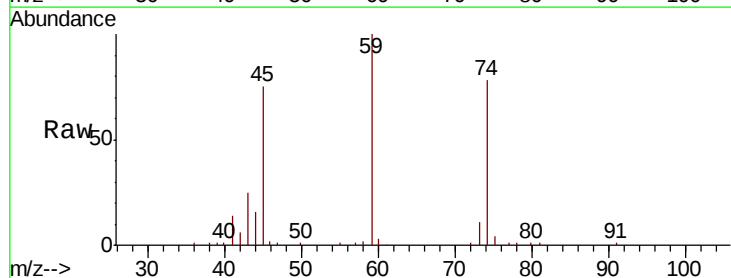
MMDadoda
8/20/2018 5:45:34 PM

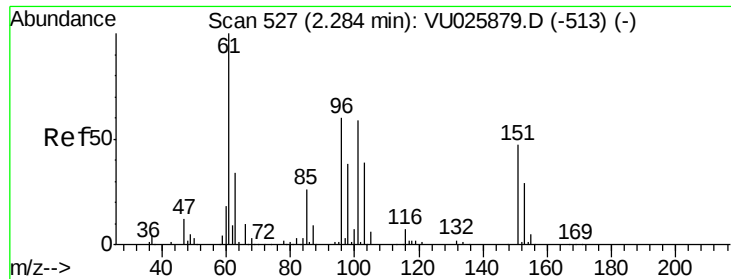


#8

Diethyl Ether
Concen: 19.20 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.58 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

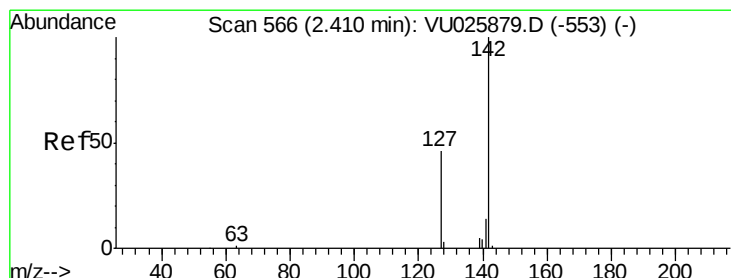
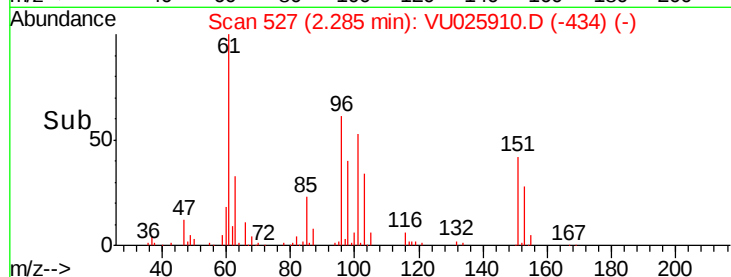
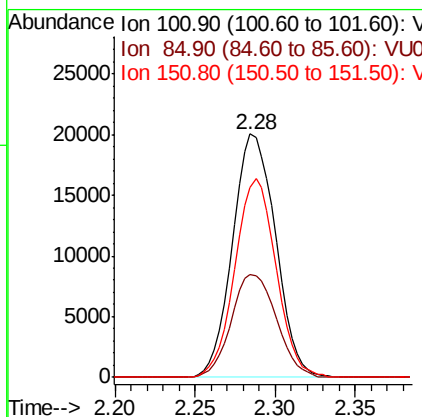
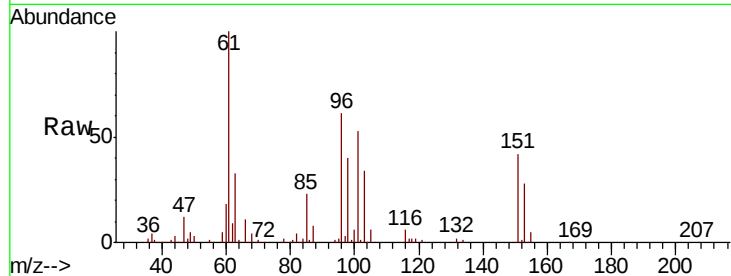
ClientSampleId :

VU0806WBSD02

Tot Ion:	101	Resp:	36765
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	78.1	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.51 ug/l

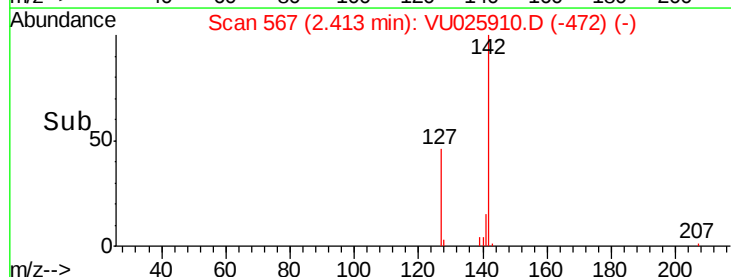
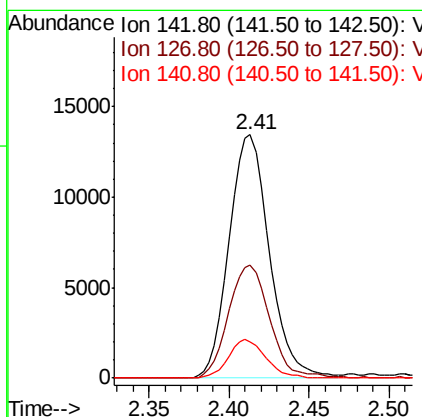
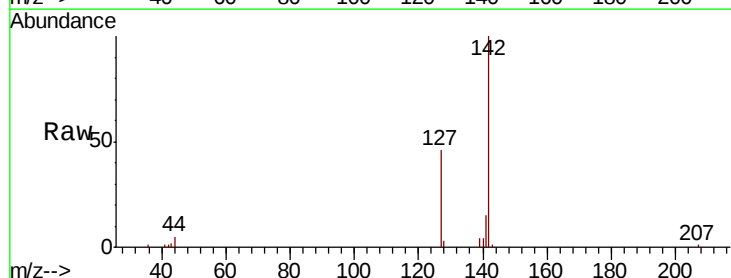
RT: 2.41 min Scan# 567

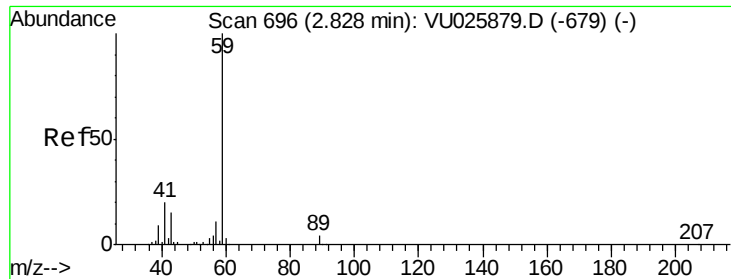
Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion:	142	Resp:	23081
Ion Ratio	Lower	Upper	
142	100		
127	47.4	36.5	54.7
141	14.7	11.4	17.2





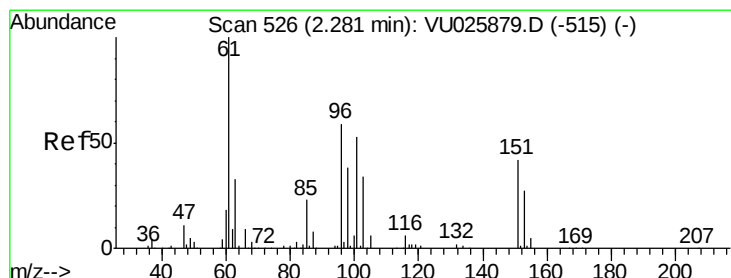
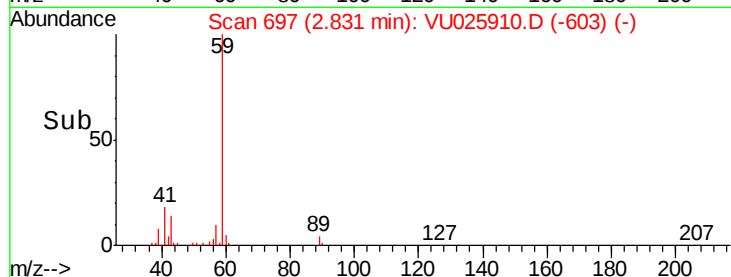
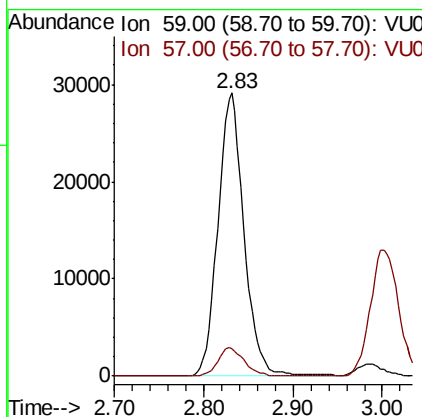
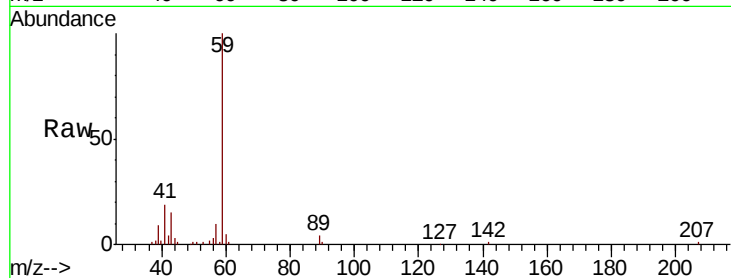
#11
Tert butyl alcohol
Concen: 104.56 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

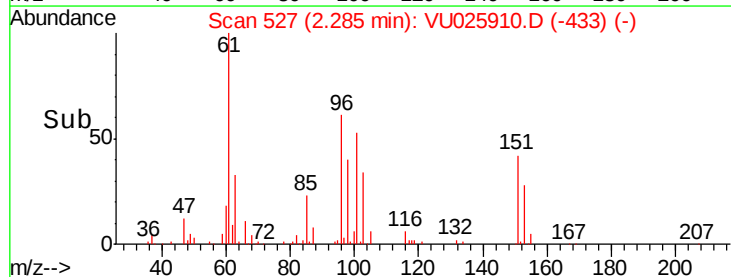
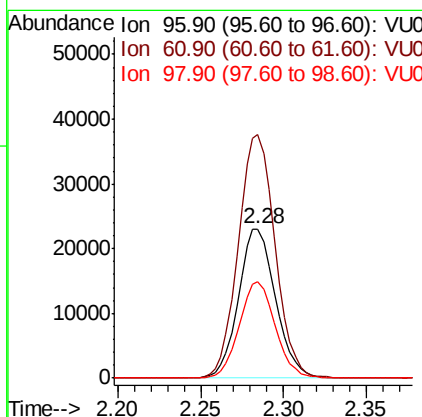
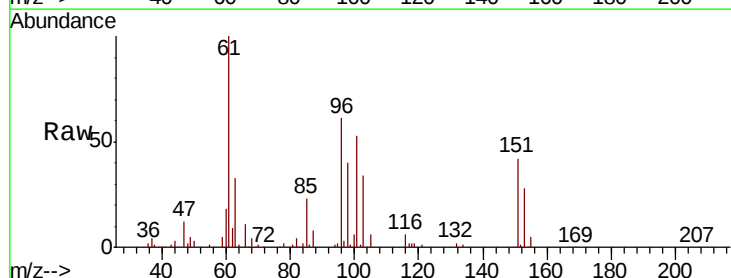
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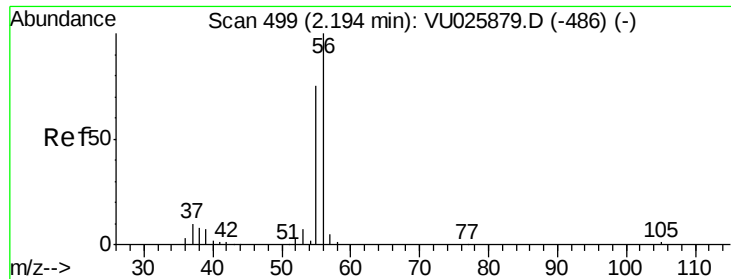
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.13 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	140.2	210.4
98	64.9	49.3	73.9





#13

Acrolein

Concen: 160.25 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 56 Resp: 32835

Ion Ratio Lower Upper

56 100

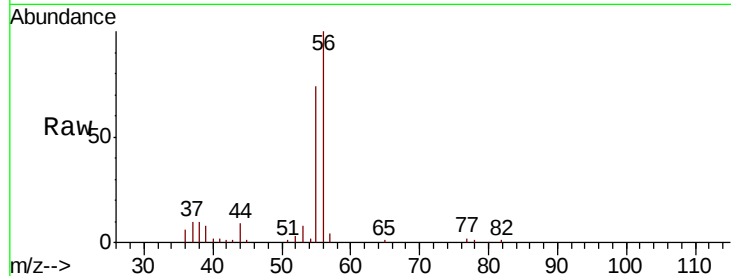
55 71.6 57.2 85.8

Manual Integrations

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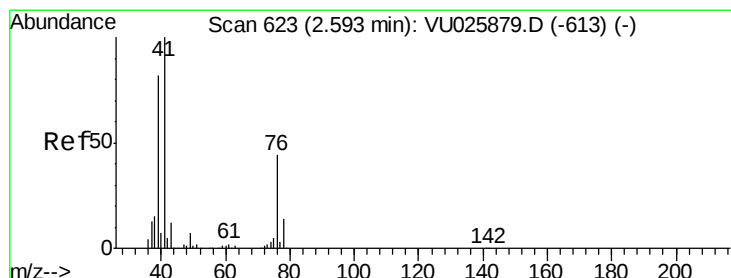
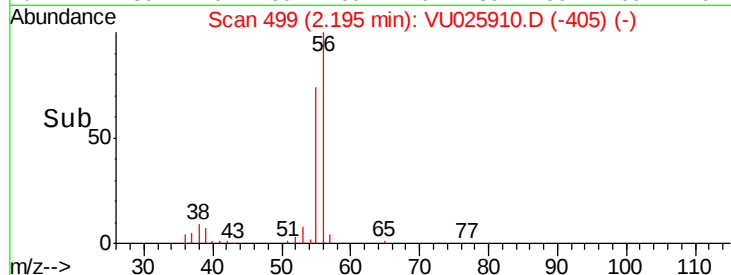
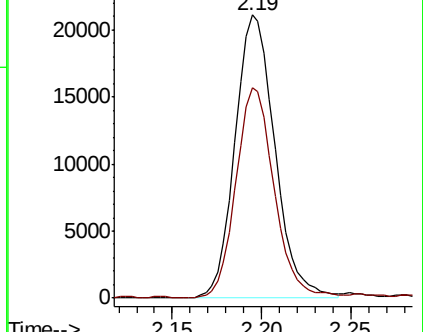
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Abundance Ion 56.00 (55.70 to 56.70): VU025910.D (-486) (-)

Ion 55.00 (54.70 to 55.70): VU025910.D (-486) (-)



#14

Allyl chloride

Concen: 18.62 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

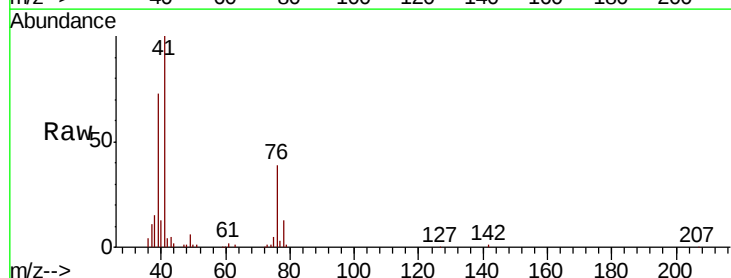
Tgt Ion: 41 Resp: 59313

Ion Ratio Lower Upper

41 100

39 75.7 60.6 91.0

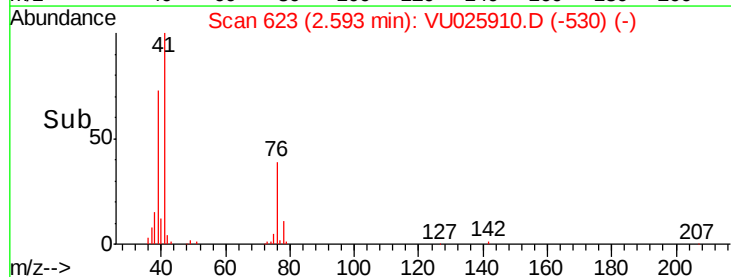
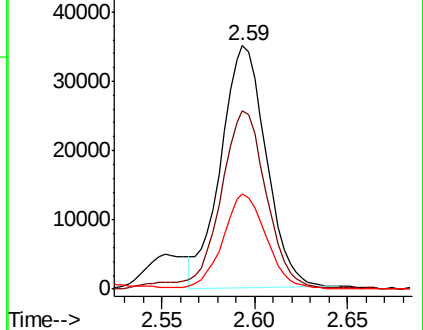
76 37.8 30.5 45.7

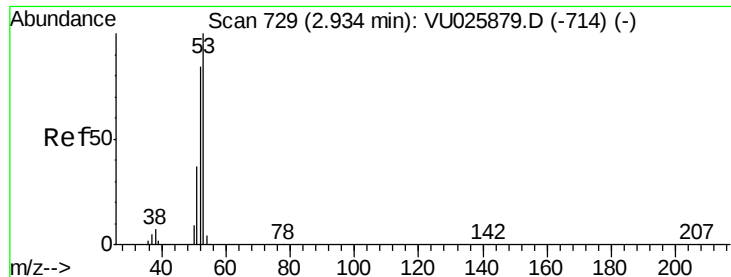


Abundance Ion 41.00 (40.70 to 41.70): VU025910.D (-530) (-)

Ion 39.00 (38.70 to 39.70): VU025910.D (-530) (-)

Ion 75.90 (75.60 to 76.60): VU025910.D (-530) (-)





#15

Acrylonitrile

Concen: 103.30 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

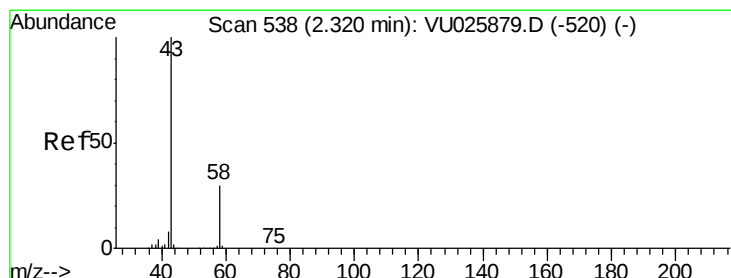
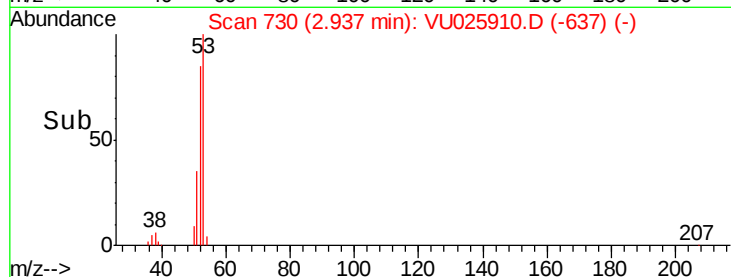
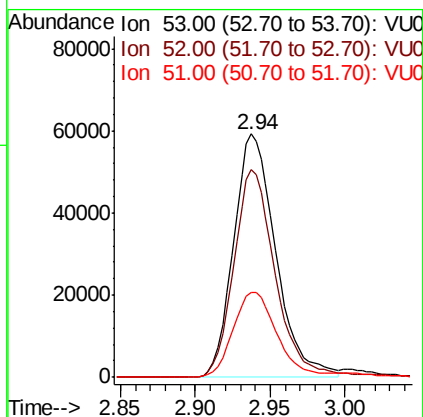
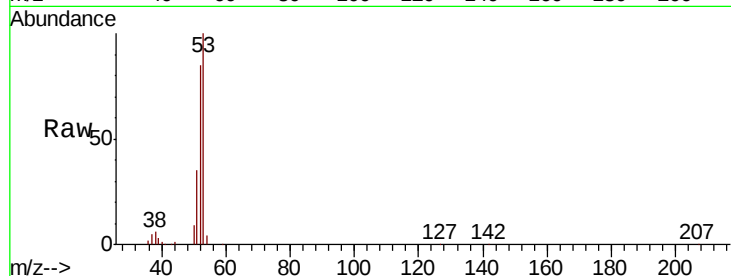
ClientSampleId :

VU0806WBSD02

Tot Ion:	53	Resp:	116166
Ion Ratio	Lower	Upper	
53	100		
52	85.2	66.6	99.8
51	36.3	29.4	44.2

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#16

Acetone

Concen: 110.12 ug/l

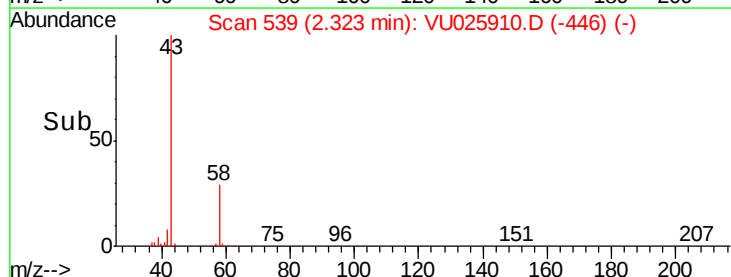
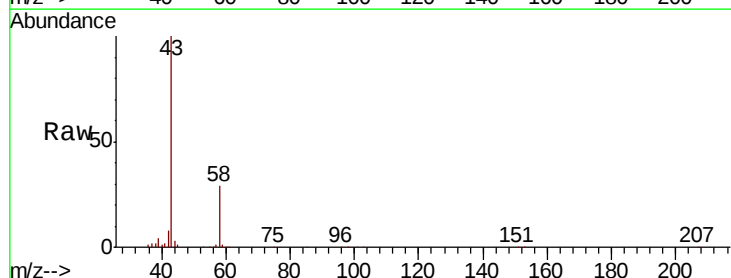
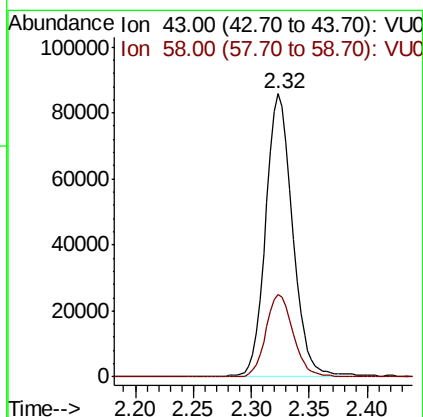
RT: 2.32 min Scan# 539

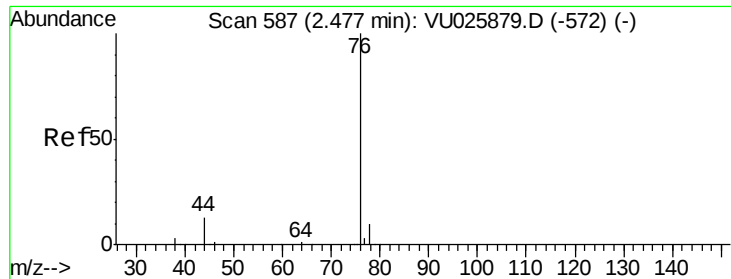
Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion:	43	Resp:	138110
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.1	34.7





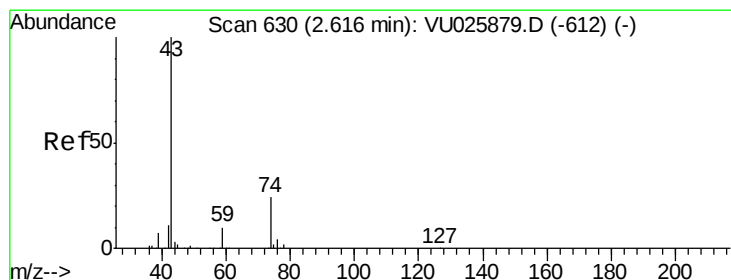
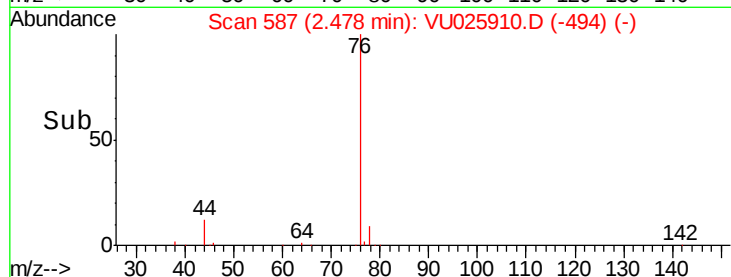
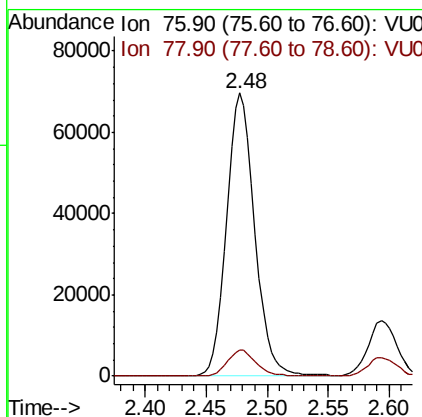
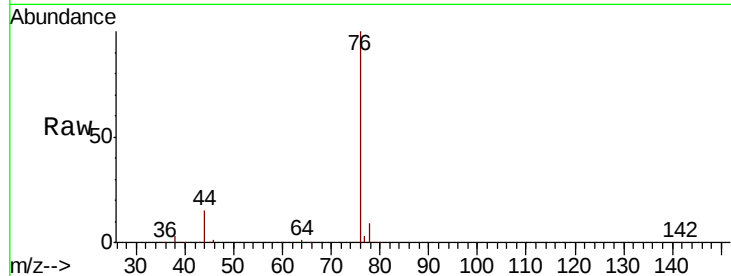
#17
Carbon Disulfide
Concen: 19.67 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

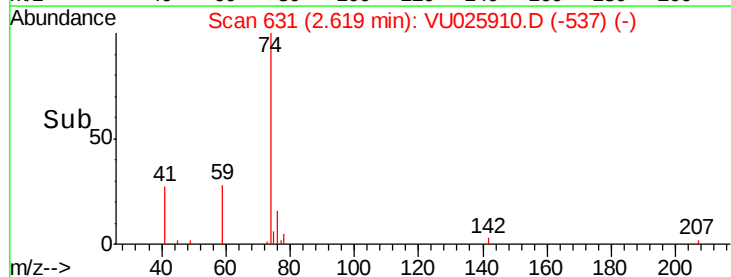
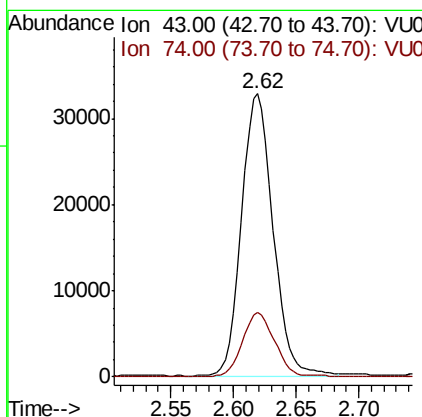
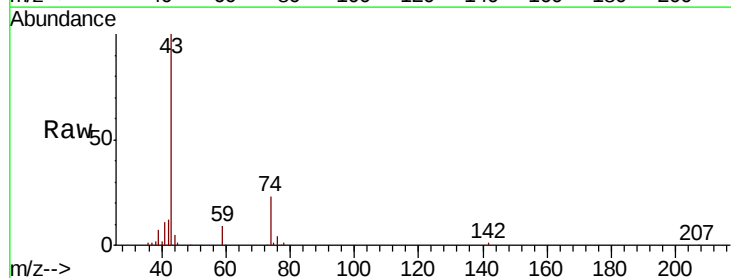
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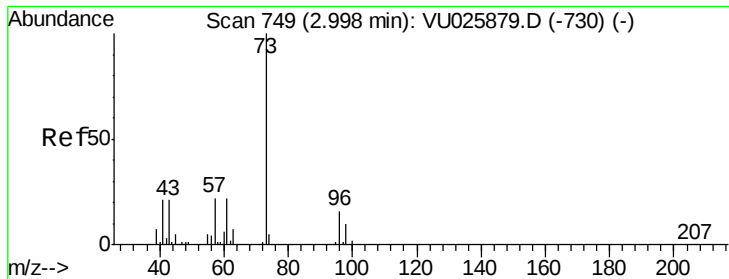
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#18
Methyl Acetate
Concen: 19.25 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.5	27.7





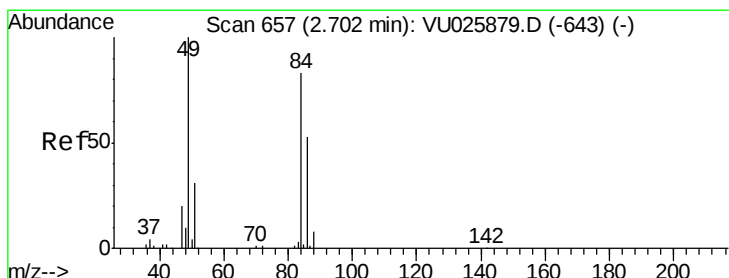
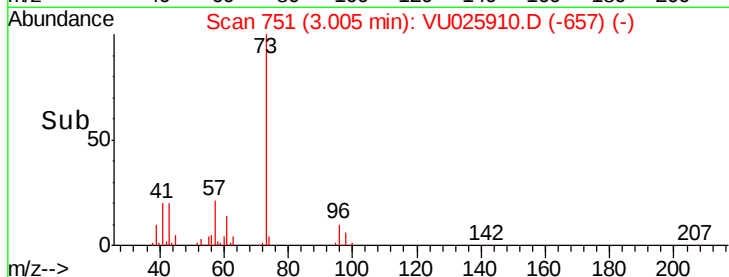
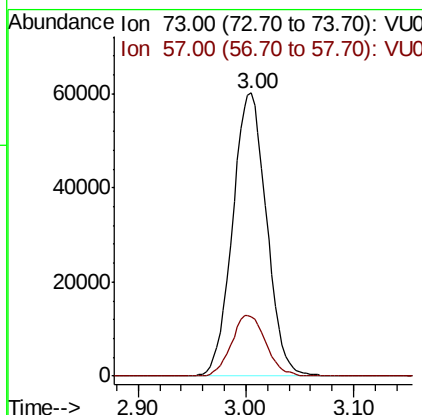
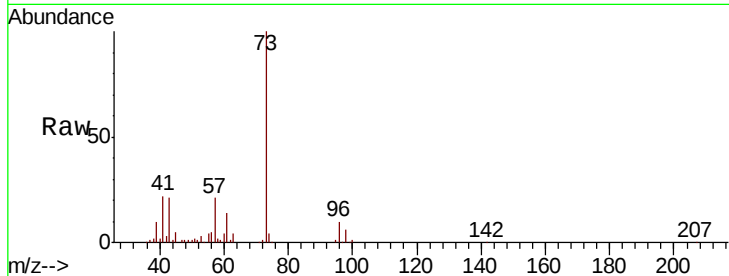
#19
Methvl tert-butvl Ether
Concen: 20.50 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion: 73 Resp: 131685
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.2

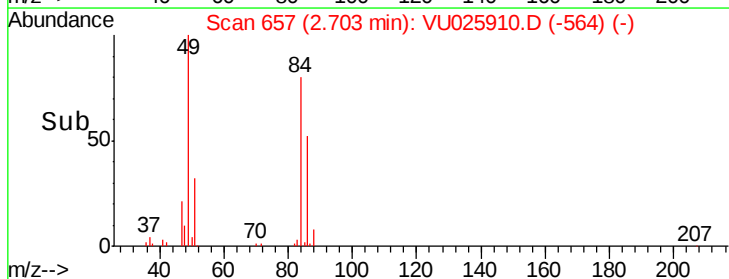
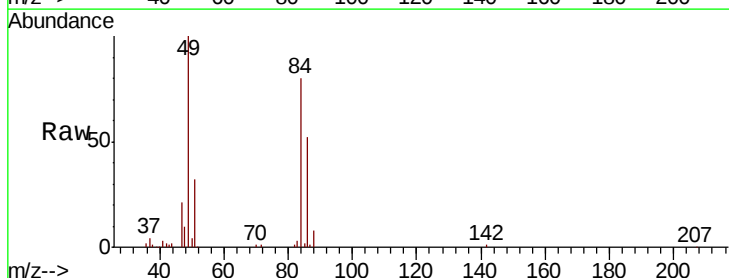
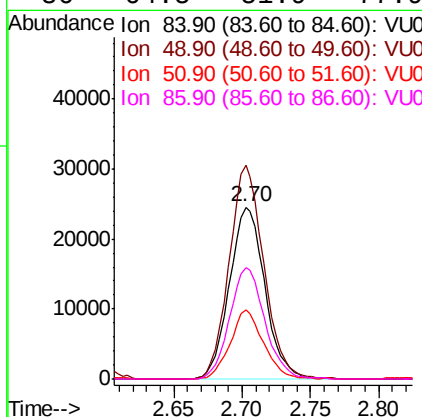
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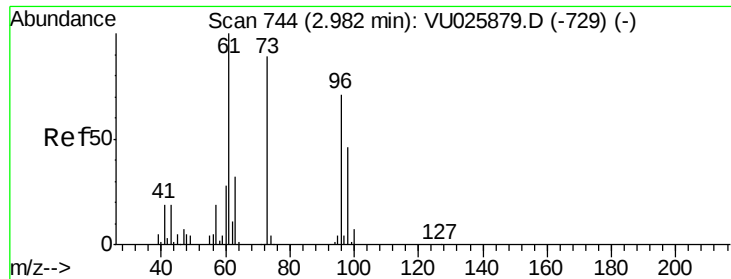
MMDadoda
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#20
Methylene Chloride
Concen: 19.92 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion: 84 Resp: 44282
Ion Ratio Lower Upper
84 100
49 124.4 101.8 152.6
51 40.3 30.8 46.2
86 64.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.40 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

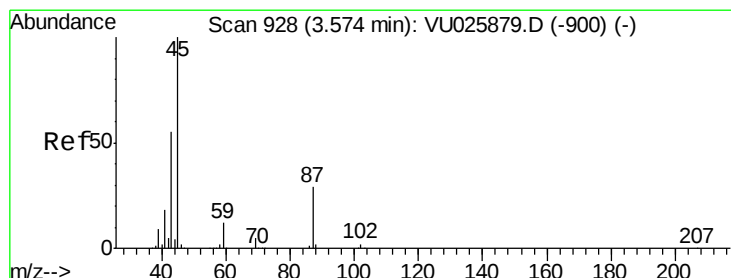
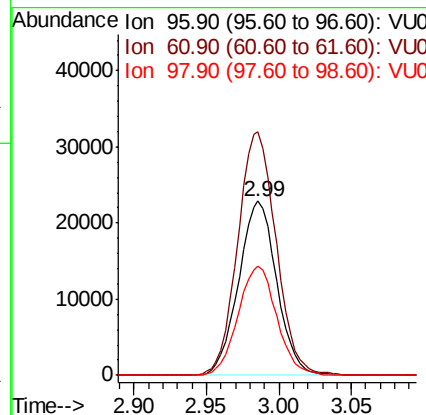
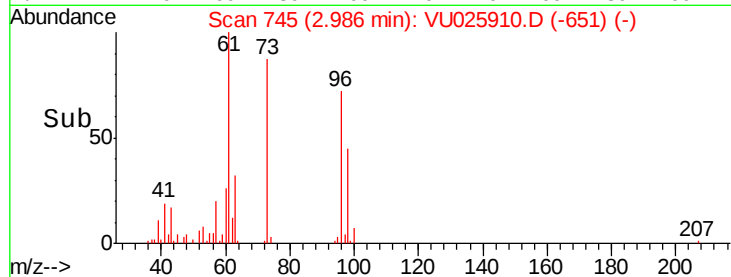
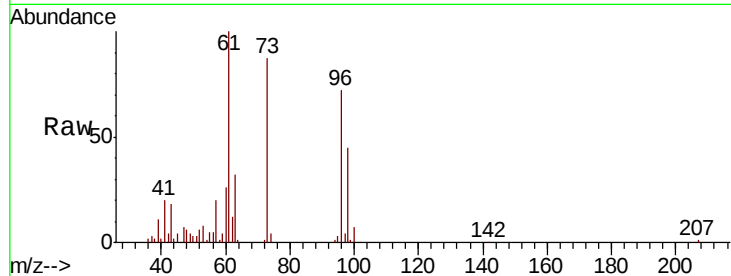
ClientSampleId :

VU0806WBSD02

Tot Ion:	96	Resp:	41802
Ion	Ratio	Lower	Upper
96	100		
61	139.7	114.5	171.7
98	62.7	50.5	75.7

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#22

Diisopropyl ether

Concen: 21.15 ug/l

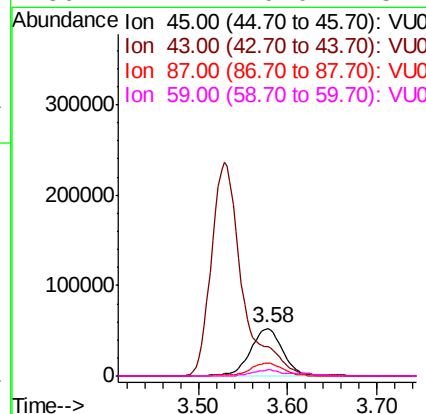
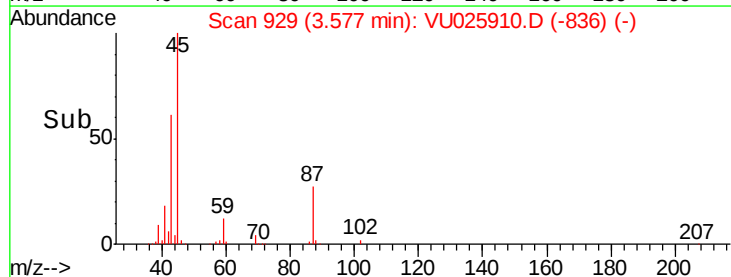
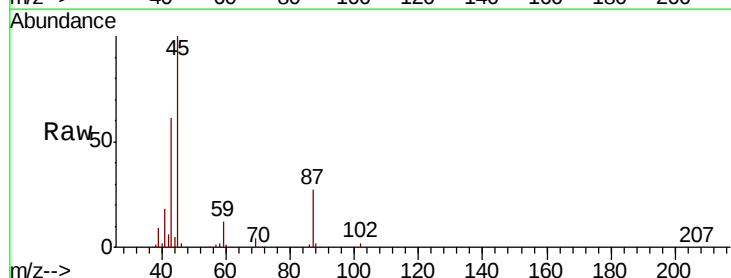
RT: 3.58 min Scan# 929

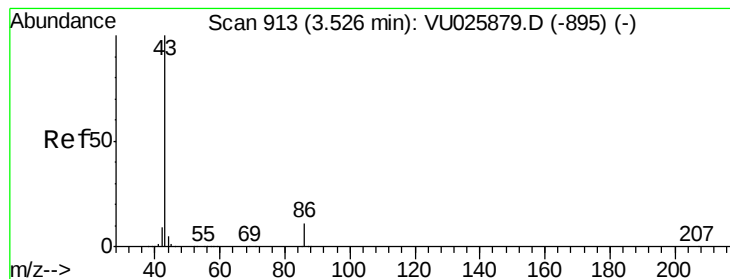
Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion:	45	Resp:	132755
Ion	Ratio	Lower	Upper
45	100		
43	59.7	50.9	76.3
87	26.8	23.8	35.8
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 104.91 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 43 Resp: 573937

Ion Ratio Lower Upper

43 100

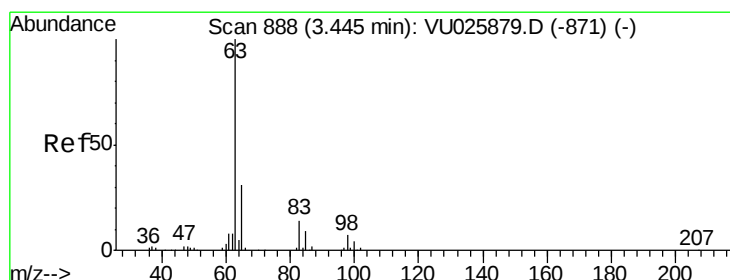
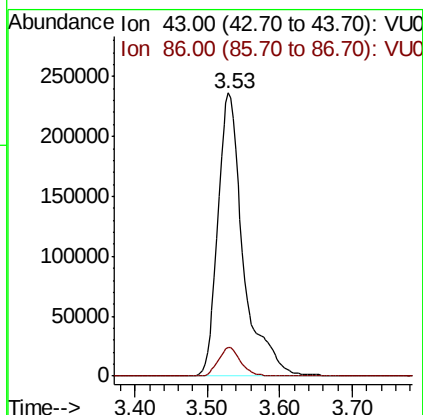
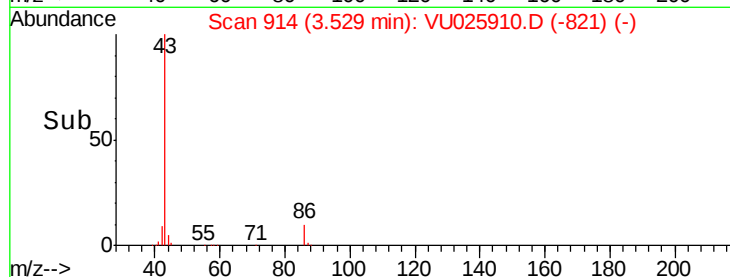
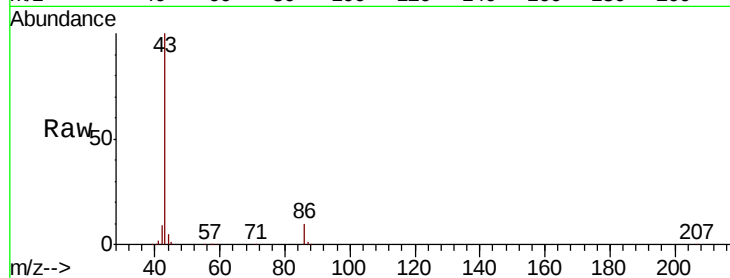
86 10.3 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 20.35 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

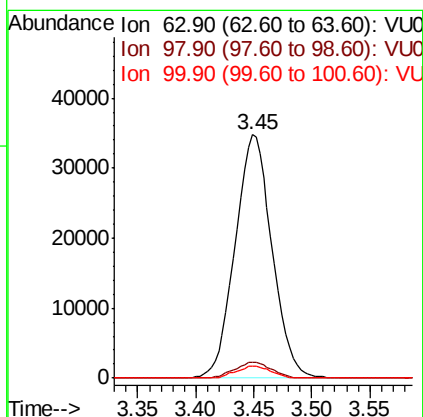
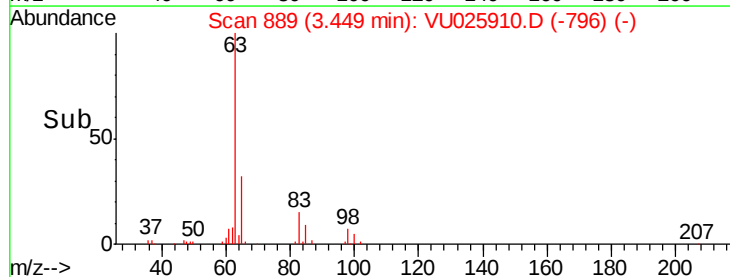
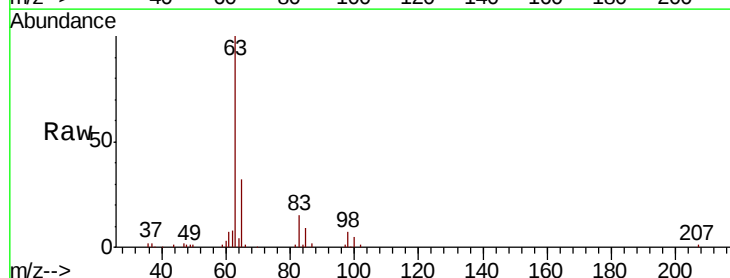
Tgt Ion: 63 Resp: 76685

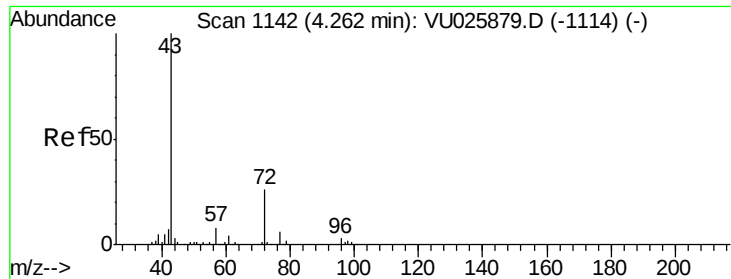
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.8 2.0 6.0





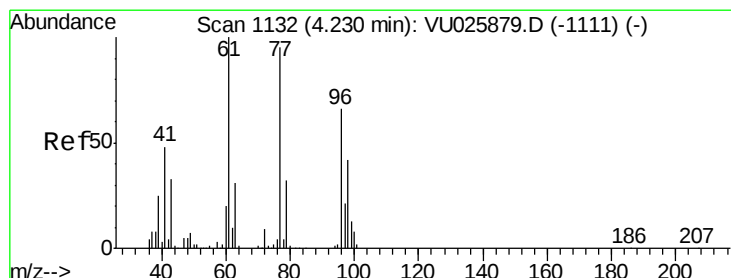
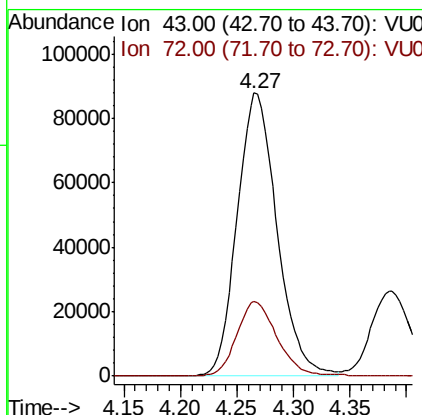
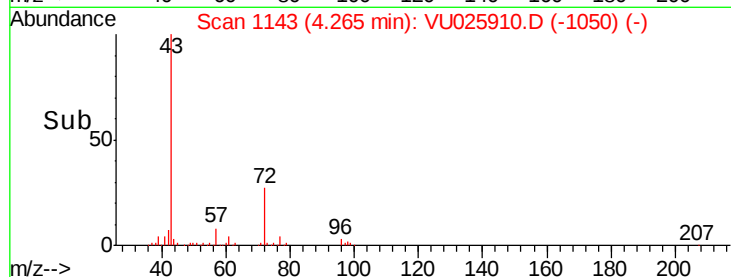
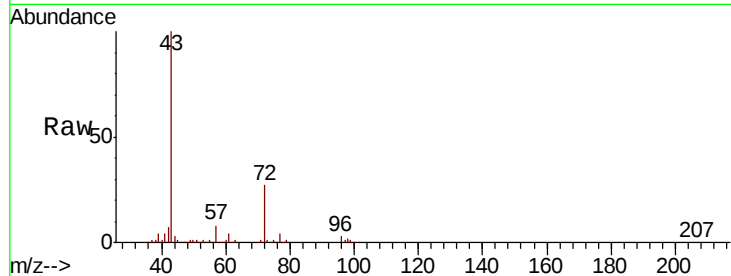
#25
2-Butanone
Concen: 125.34 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.0	31.4

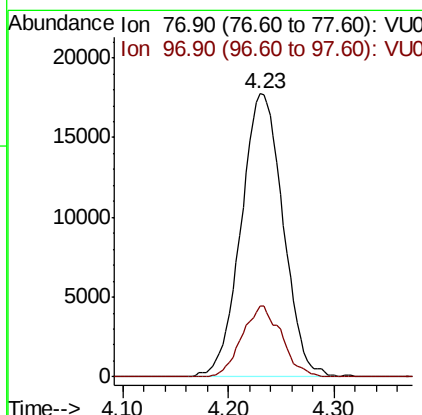
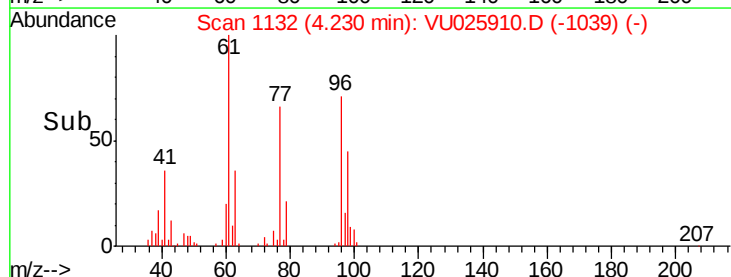
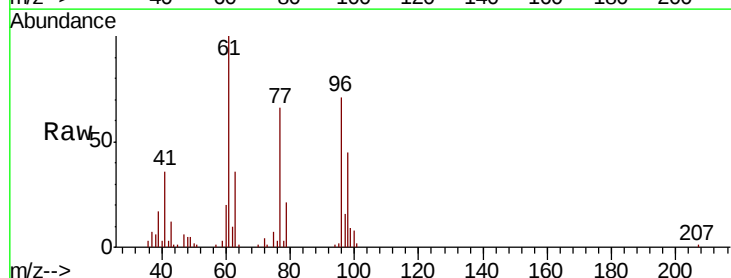
Manual Integrations
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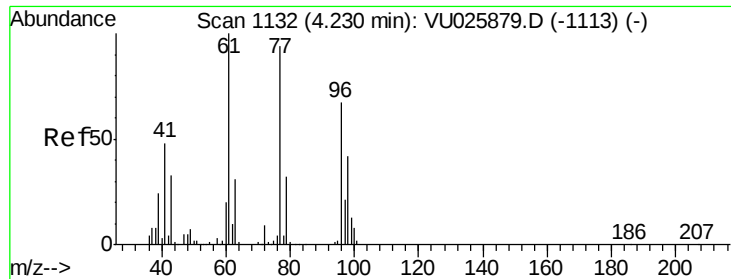
MMDadoda
8/20/2018 5:45:34 PM



#26
2,2-Dichloropropane
Concen: 14.37 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.2	33.5





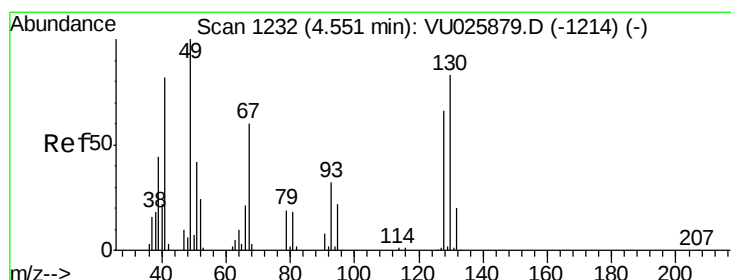
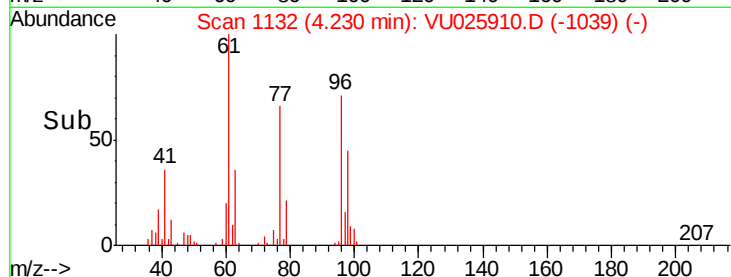
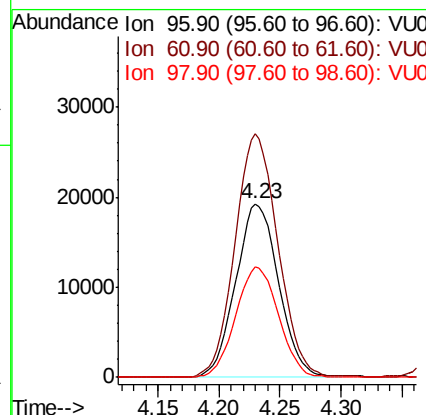
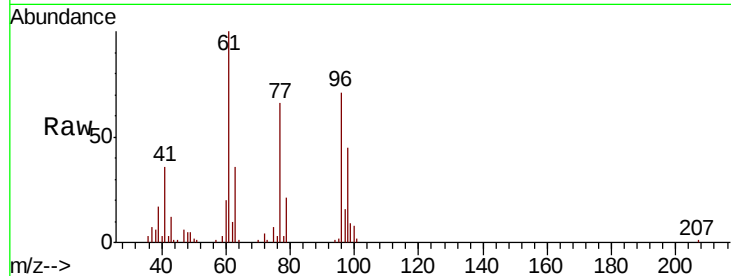
#27
 cis-1,2-Dichloroethene
 Concen: 20.31 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	299.8
98	63.4	0.0	128.6

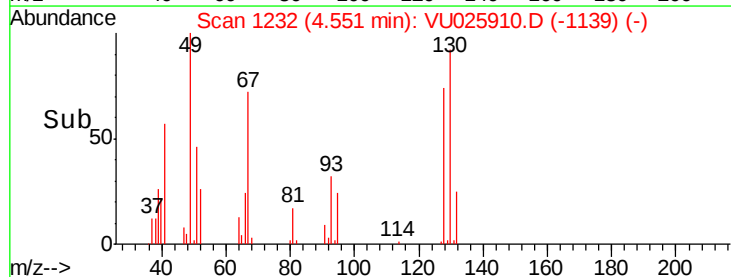
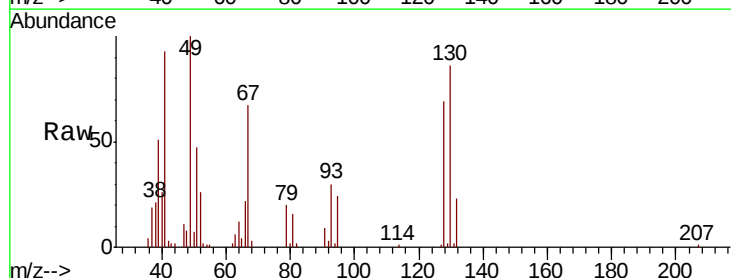
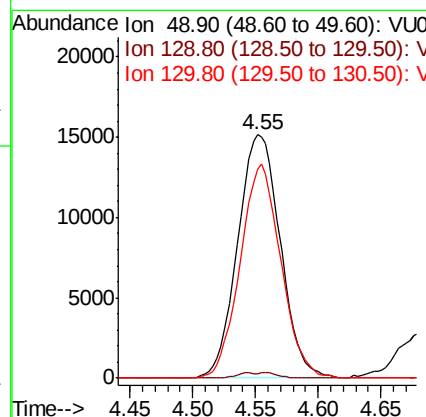
Manual Integrations
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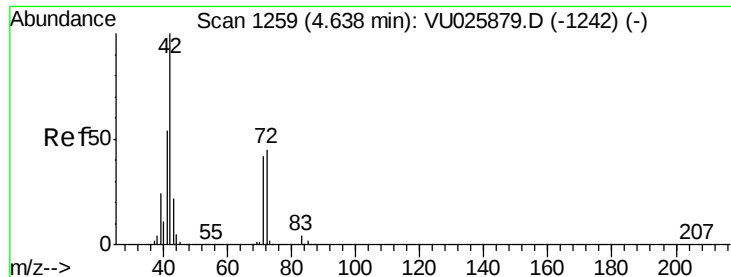
MMDadoda
 8/20/2018 5:45:34 PM



#28
 Bromochloromethane
 Concen: 21.25 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	83.9	68.6	102.8





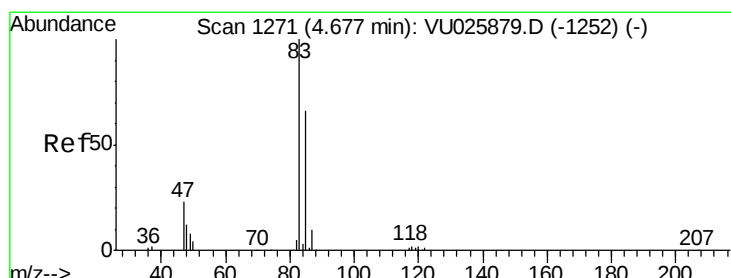
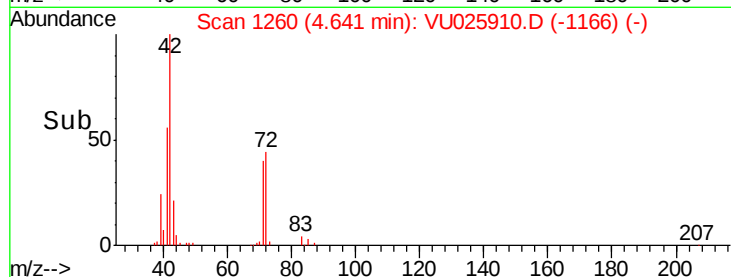
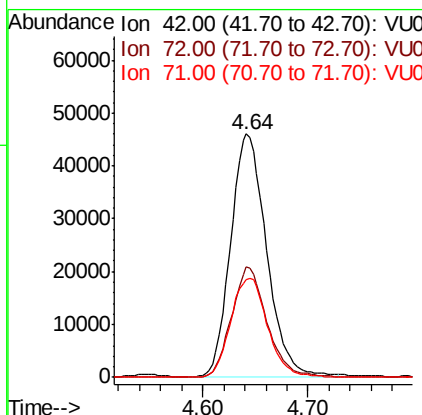
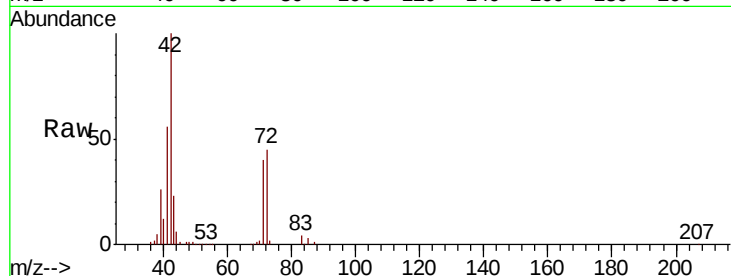
#29
Tetrahydrofuran
Concen: 106.90 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.7	55.1
71	41.5	33.9	50.9

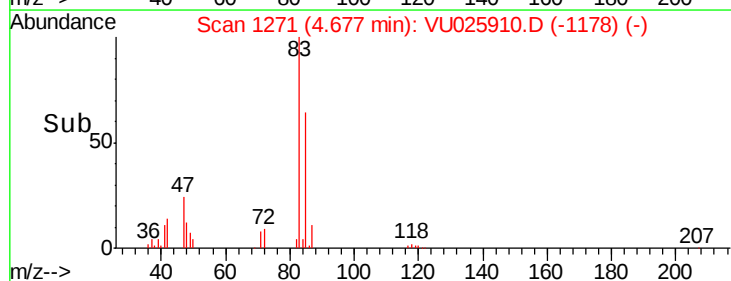
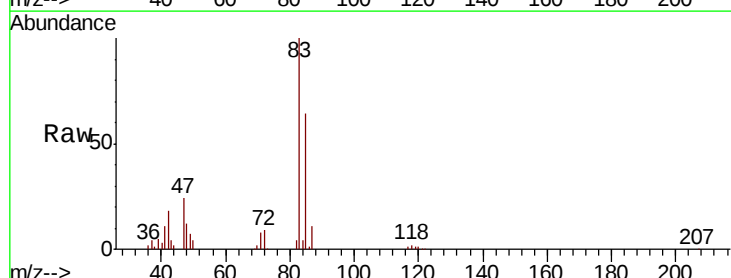
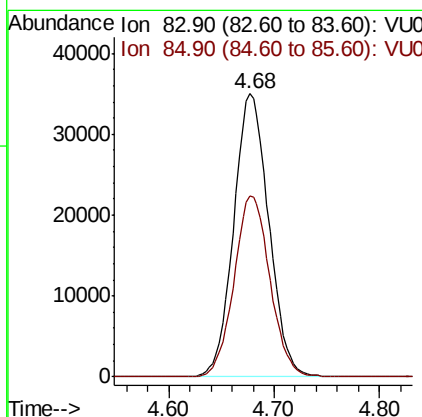
Manual Integrations
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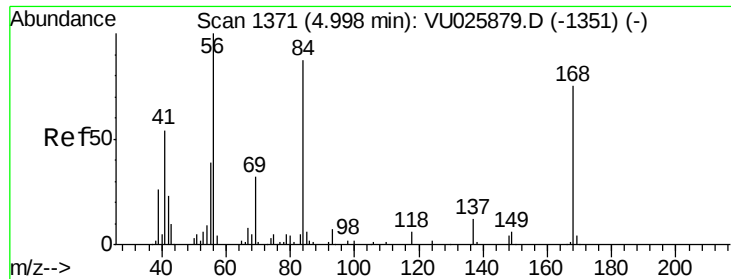
MMDadoda
8/20/2018 5:45:34 PM



#30
Chloroform
Concen: 20.33 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





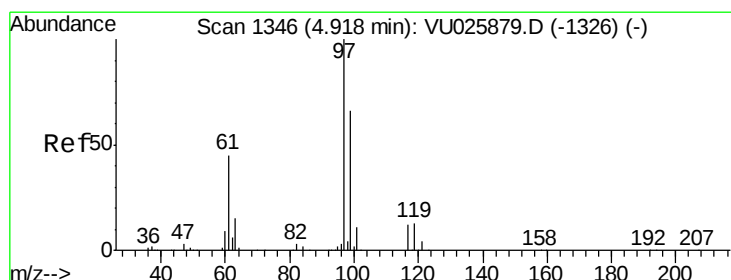
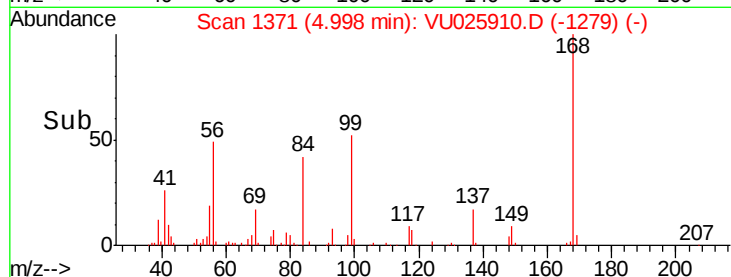
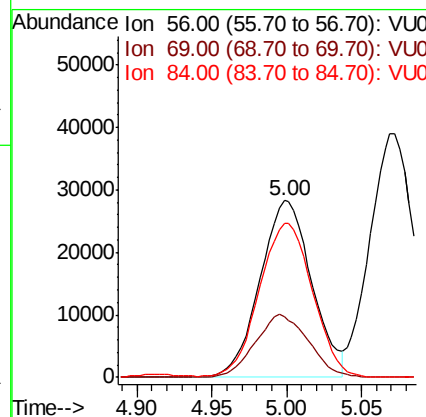
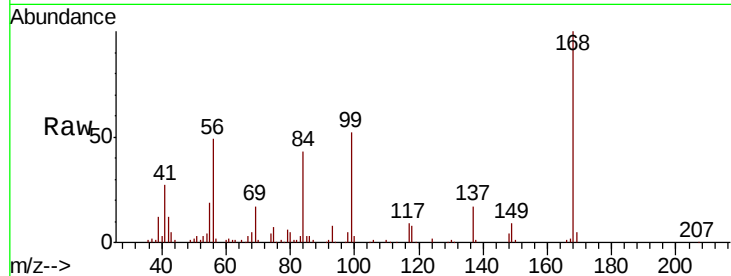
#31
Cvclohexane
Concen: 19.94 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.8	40.2
84	86.3	69.7	104.5

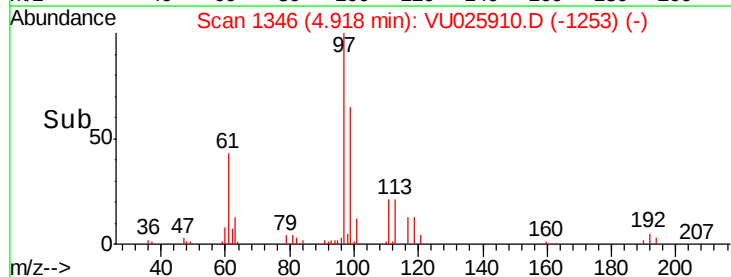
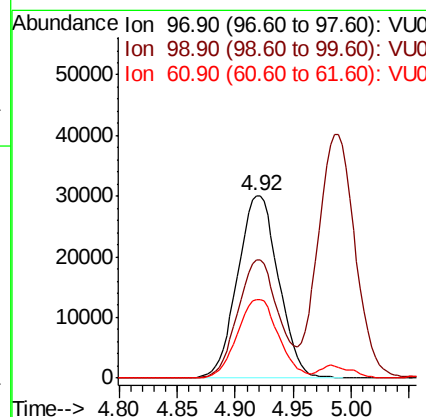
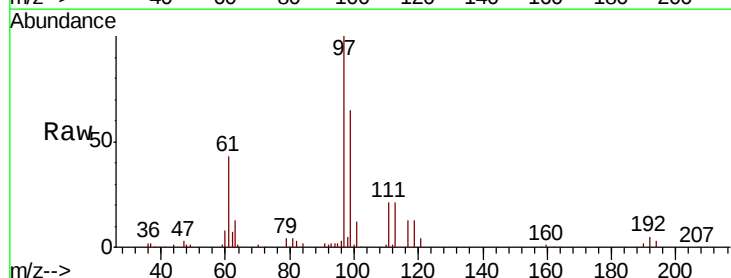
Manual Integrations
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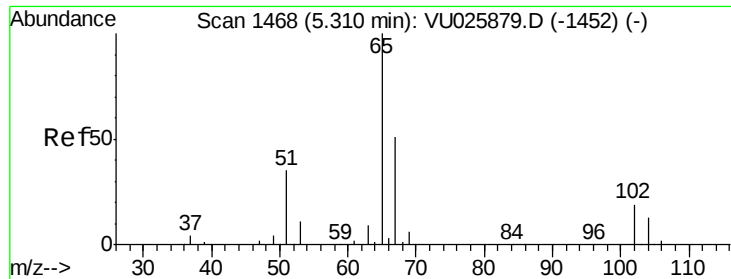
MMDadoda
8/20/2018 5:45:34 PM



#32
1,1,1-Trichloroethane
Concen: 20.68 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	43.5	35.2	52.8





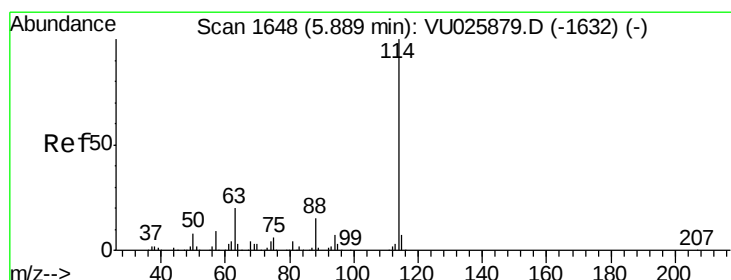
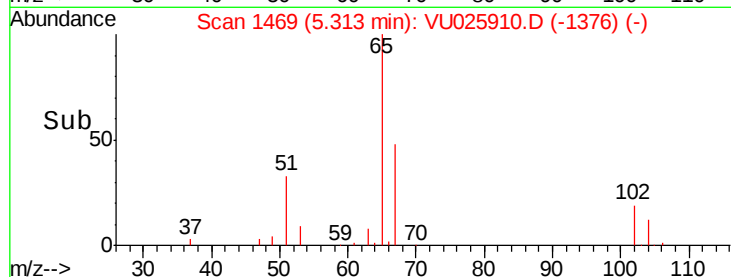
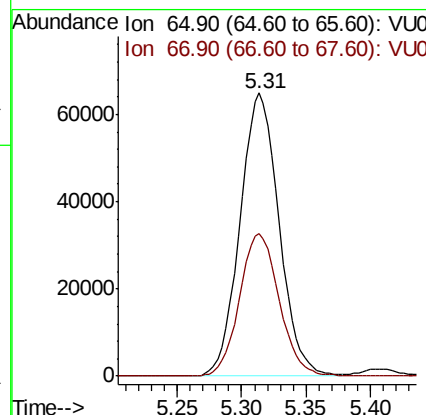
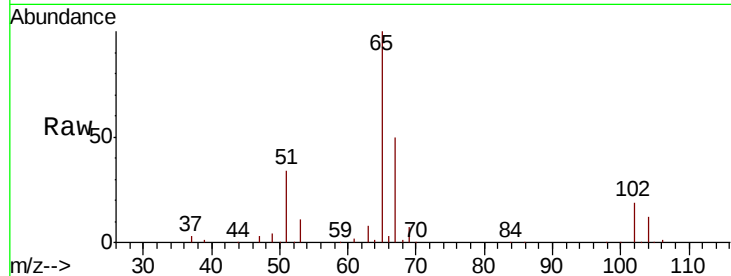
#33
 1,2-Dichloroethane-d4
 Concen: 53.09 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136578		
67	51.1	0.0	103.6	

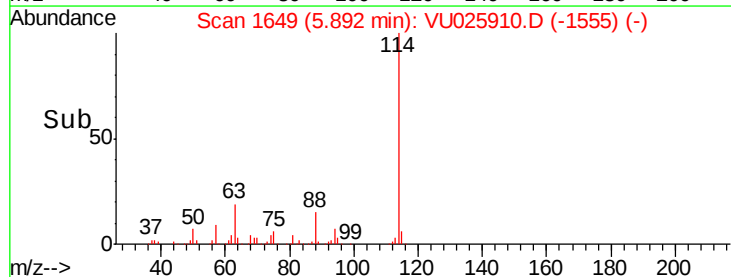
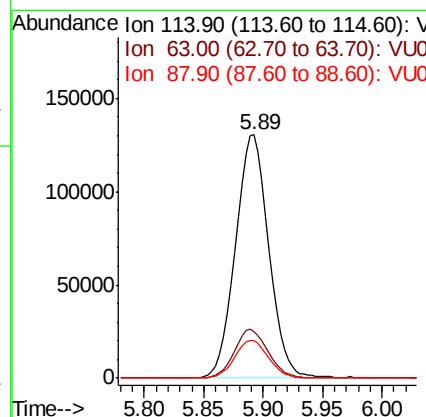
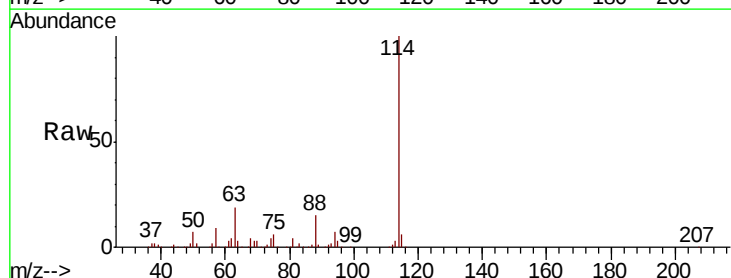
Manual Integrations
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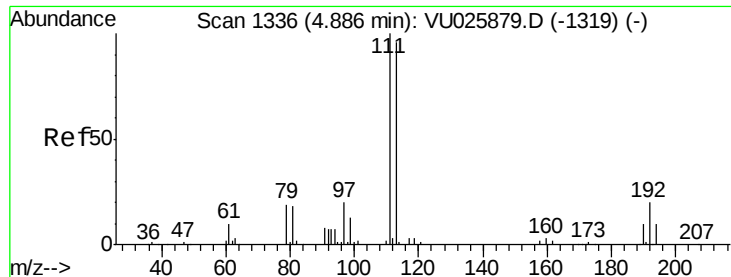
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	252892		
63	19.3	0.0	41.6	
88	15.3	0.0	32.4	





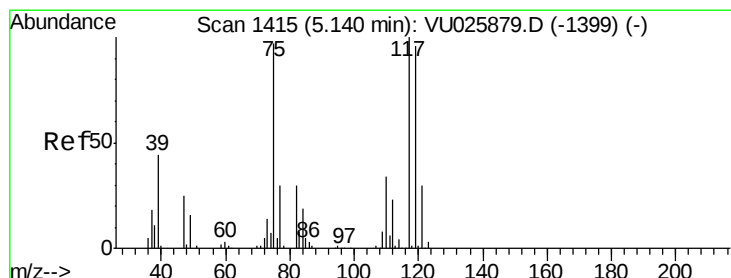
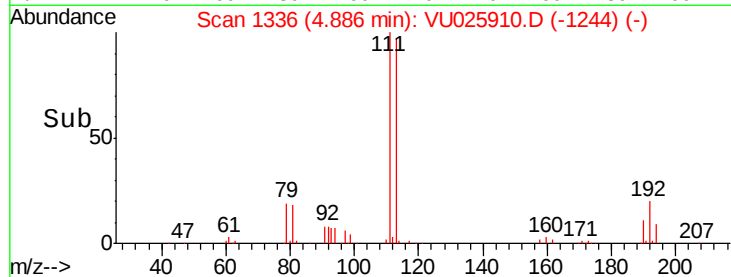
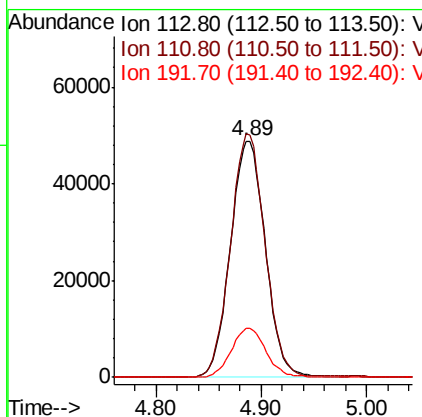
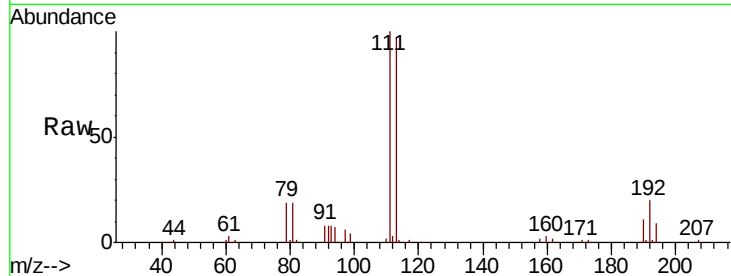
#35
 Dibromofluoromethane
 Concen: 51.01 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112201		
111	101.5	81.7	122.5	
192	20.5	17.1	25.7	

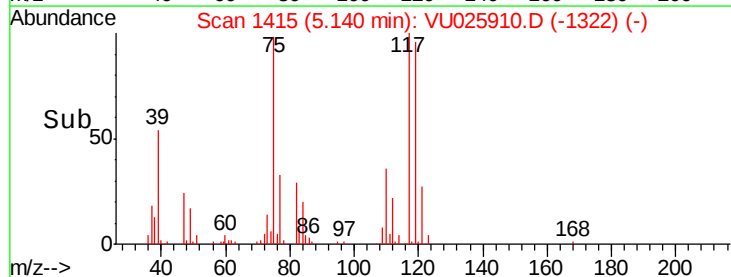
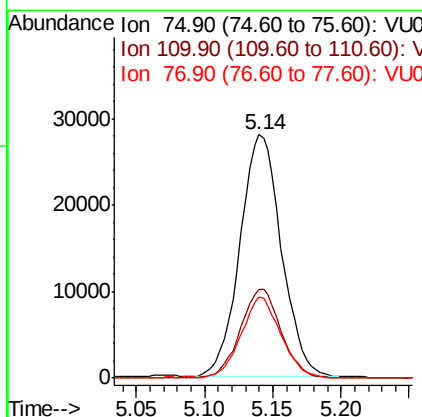
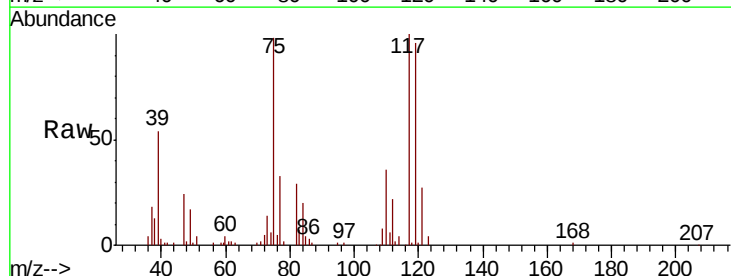
Manual Integrations
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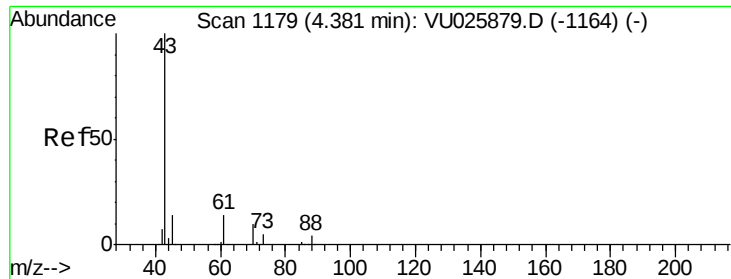
MMDadoda
 8/20/2018 5:45:34 PM



#36
 1,1-Dichloropropene
 Concen: 20.07 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59309		
110	35.9	17.6	52.9	
77	32.0	24.4	36.6	





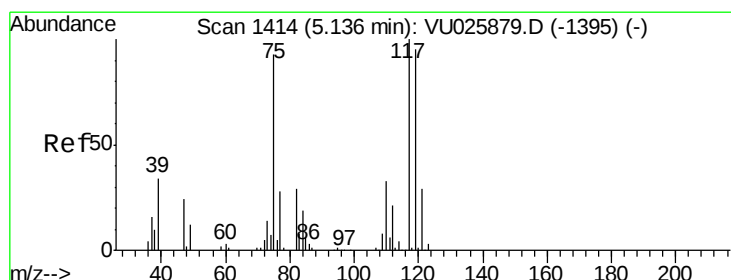
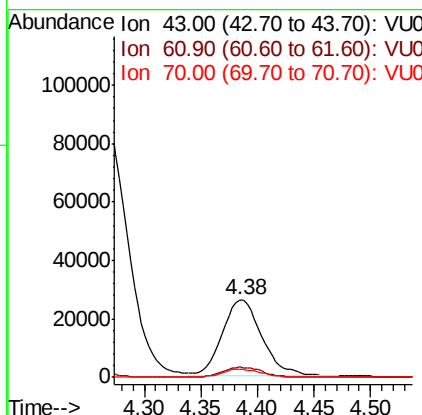
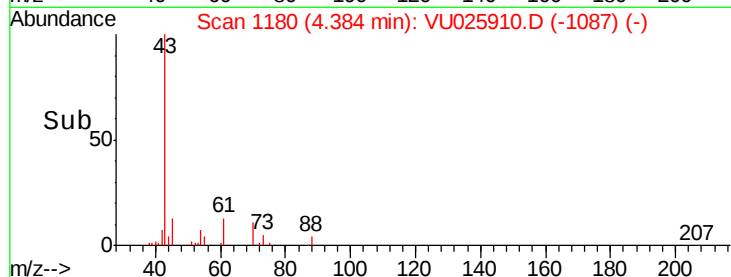
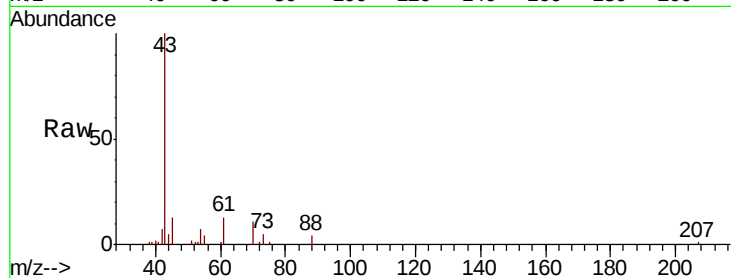
#37
Ethyl Acetate
Concen: 21.05 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	10.6	8.4	12.6

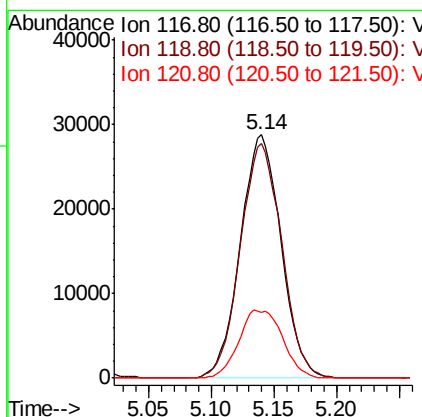
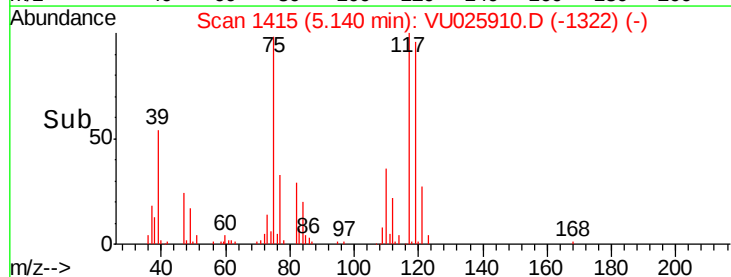
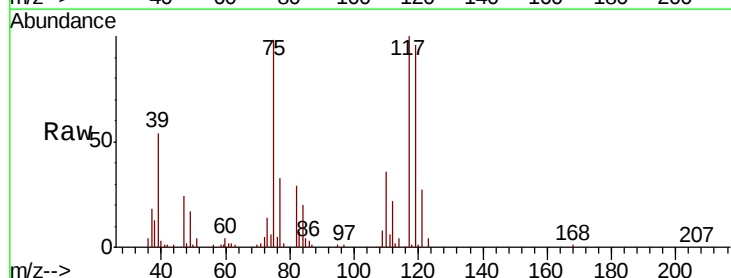
Manual Integrations
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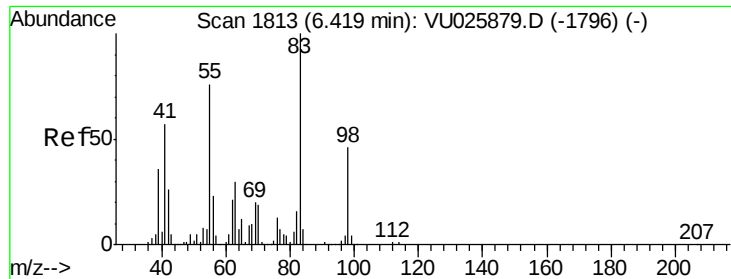
MMDadoda
8/20/2018 5:45:34 PM



#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.7	113.5
121	27.1	24.6	36.8





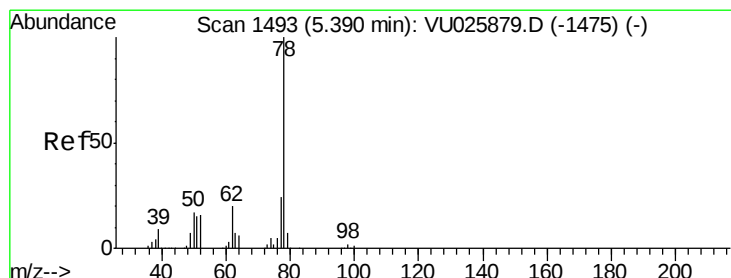
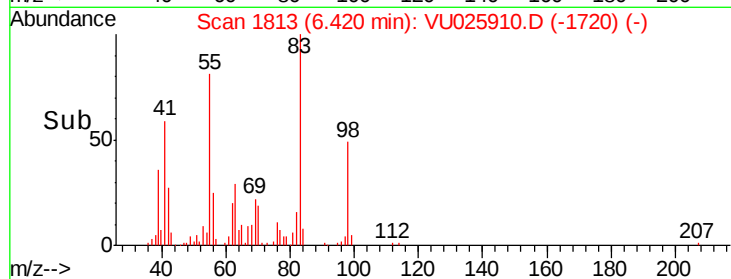
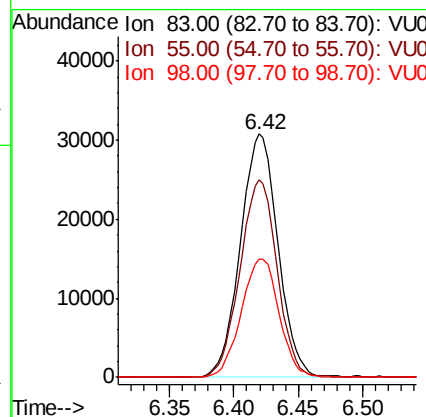
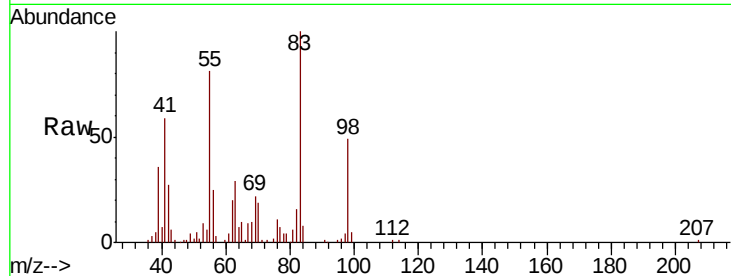
#39
Methylvlcyclohexane
Concen: 18.48 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	60.0	90.0
98	48.6	36.1	54.1

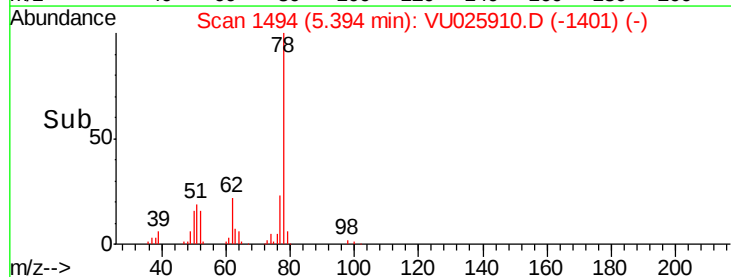
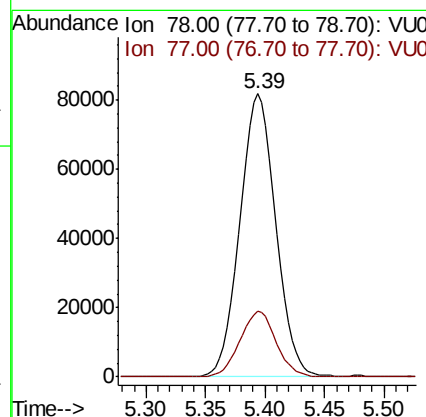
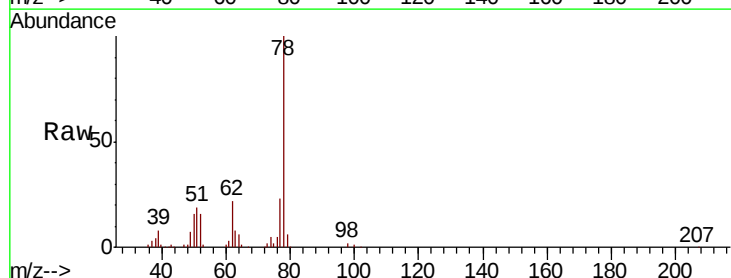
Manual Integrations
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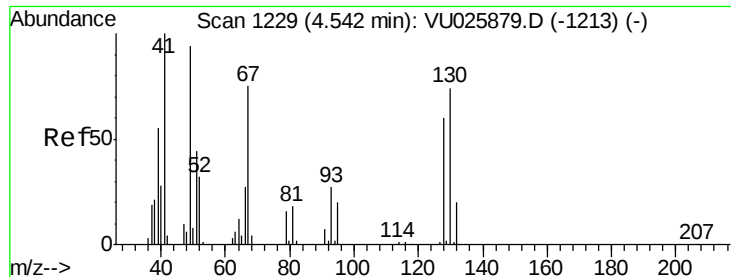
MMDadoda
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#40
Benzene
Concen: 19.80 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.8	29.6





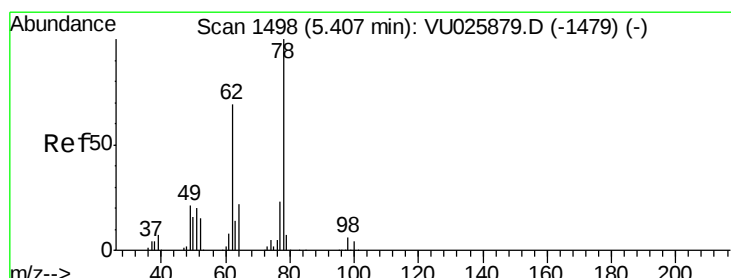
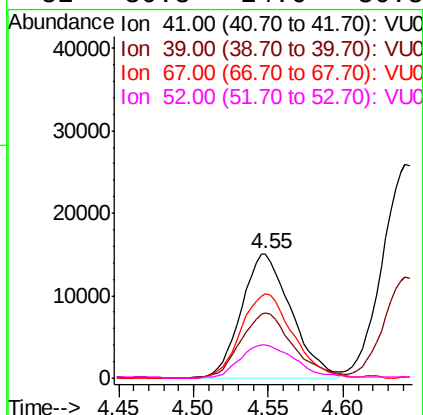
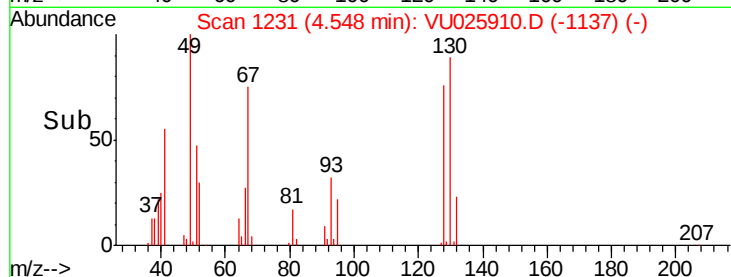
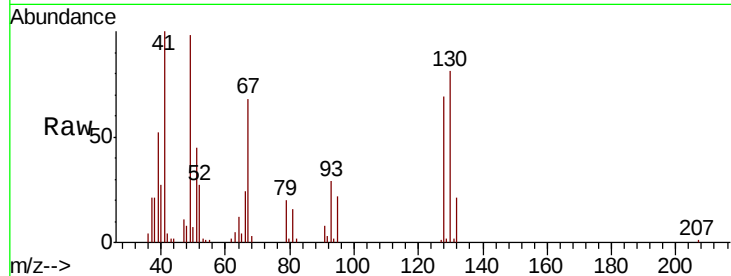
#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35024		
39	55.1	44.4	66.6		
67	70.3	56.0	84.0		
52	30.8	24.6	36.8		

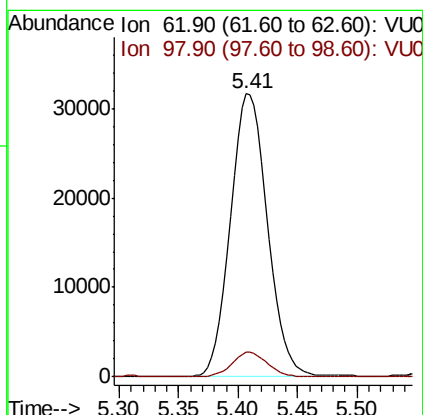
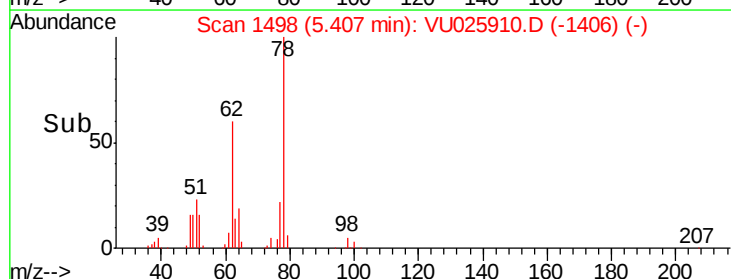
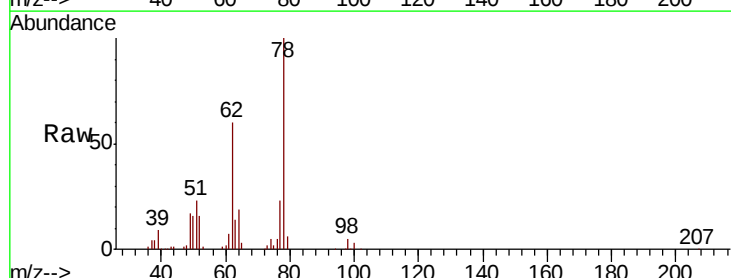
Manual Integrations
APPROVED

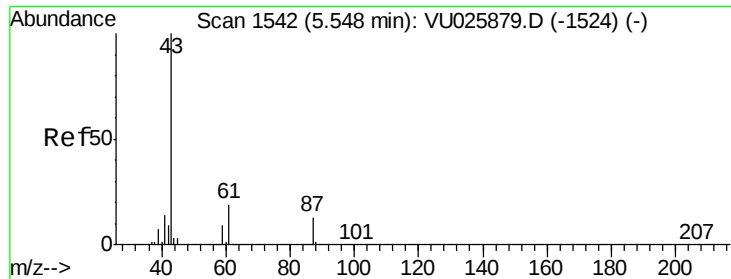
MMDadoda
8/20/2018 5:45:34 PM



#42
1,2-Dichloroethane
Concen: 20.57 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		68433		
98	8.2	0.0	16.4		





#43

Isopropyl Acetate

Concen: 20.28 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

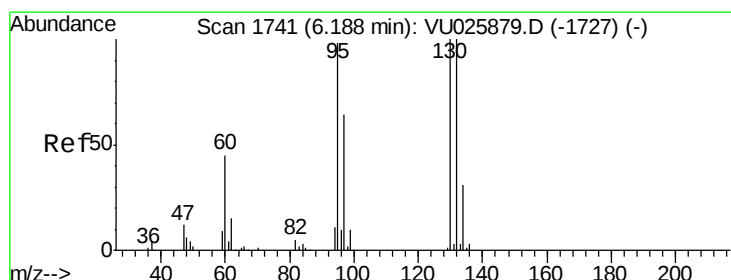
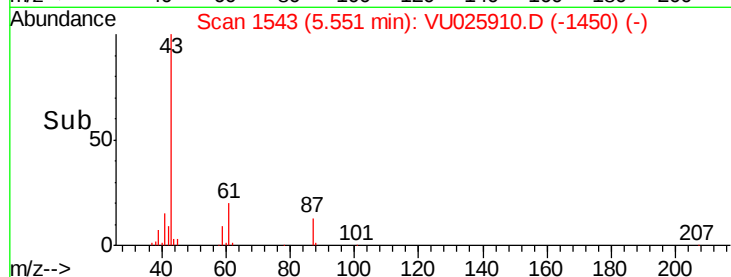
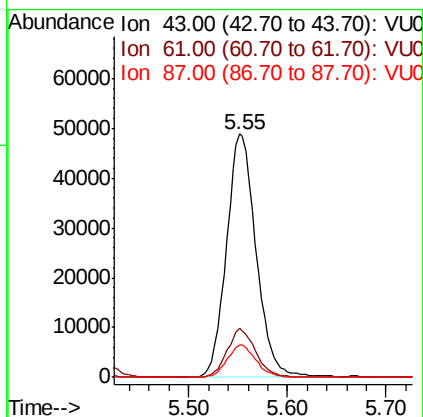
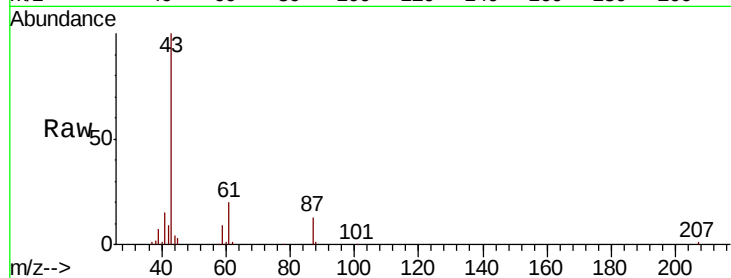
ClientSampleId :

VU0806WBSD02

Tot Ion:	43	Resp:	102718
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	12.8	10.6	16.0

Manual Integrations
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8/20/2018 5:45:34 PM



#44

Trichloroethene

Concen: 19.68 ug/l

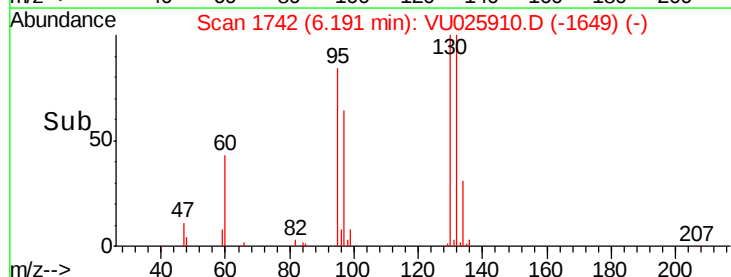
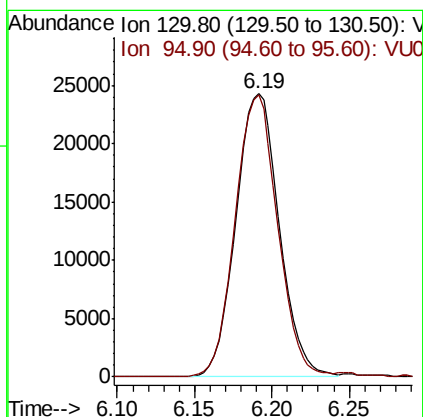
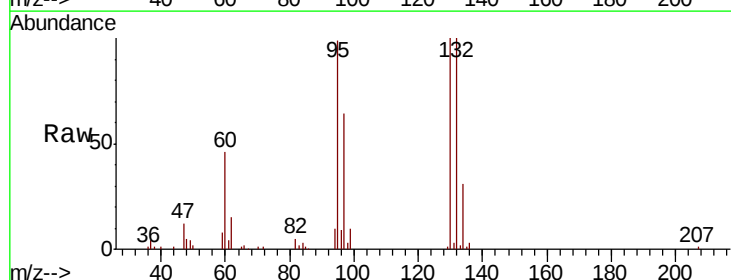
RT: 6.19 min Scan# 1742

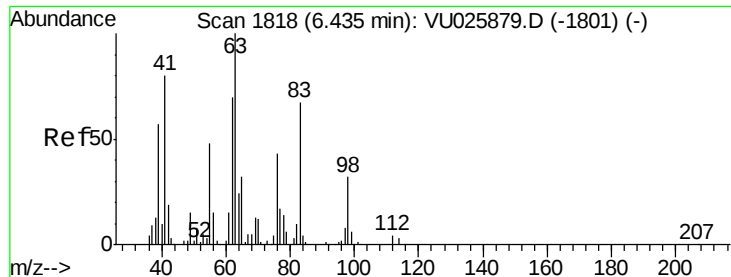
Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion:	130	Resp:	47346
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	192.2





#45

1,2-Dichloropropane

Concen: 19.56 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 63 Resp: 44075

Ion Ratio Lower Upper

63 100

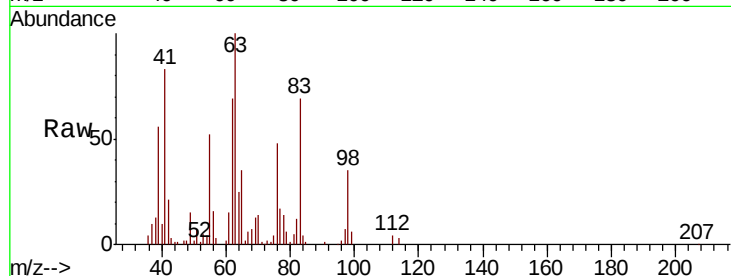
65 34.7 26.1 39.1

Manual Integrations

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8/20/2018 5:45:34 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

25000

20000

15000

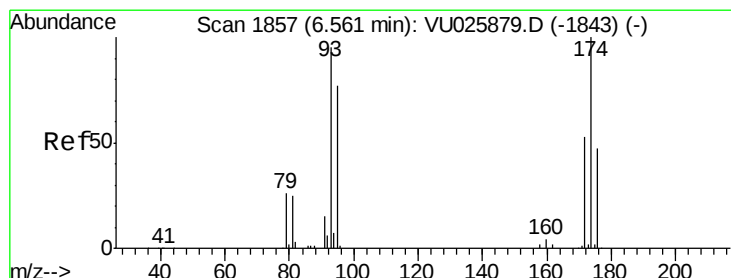
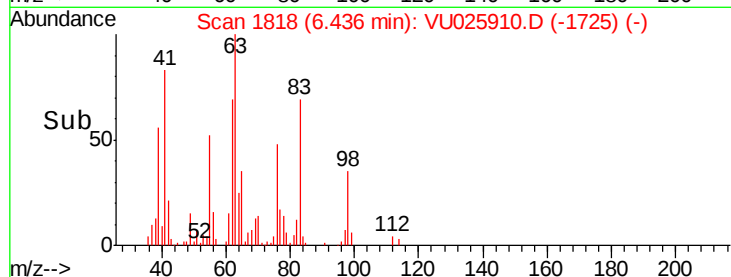
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 20.07 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

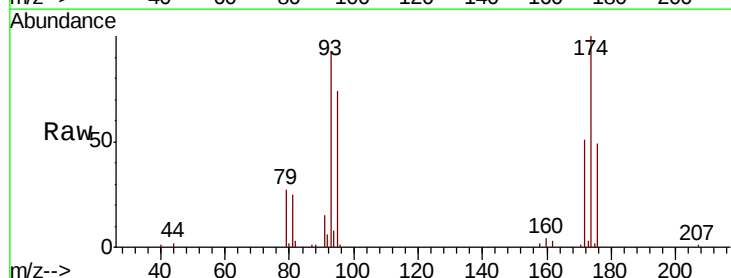
Tgt Ion: 93 Resp: 32762

Ion Ratio Lower Upper

93 100

95 80.9 66.6 100.0

174 106.8 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

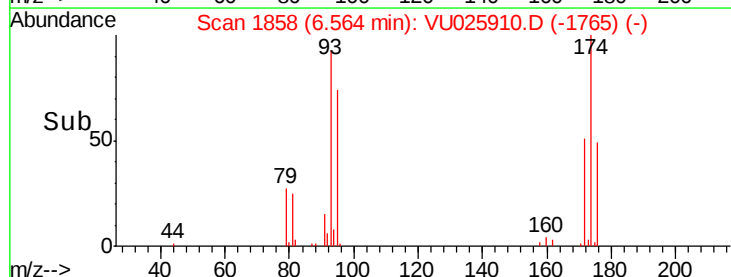
10000

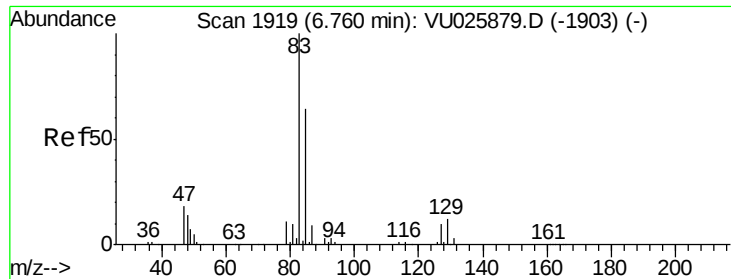
5000

0

6.50 6.55 6.60 6.65

Time-->





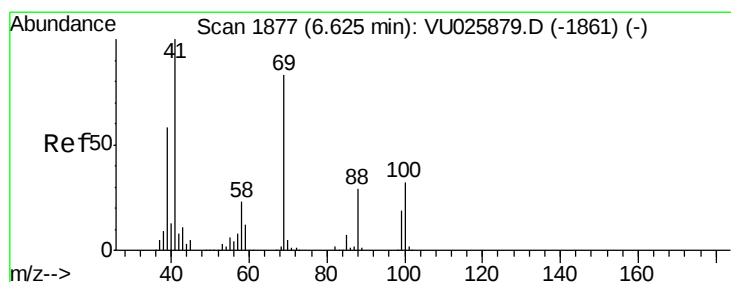
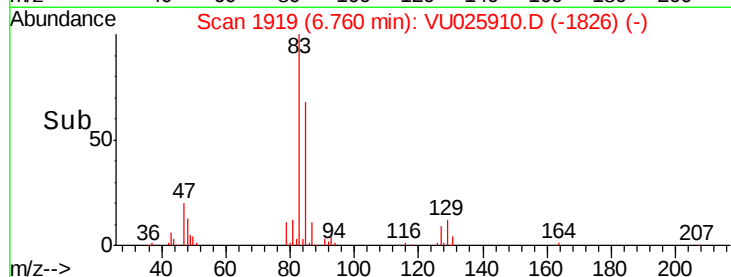
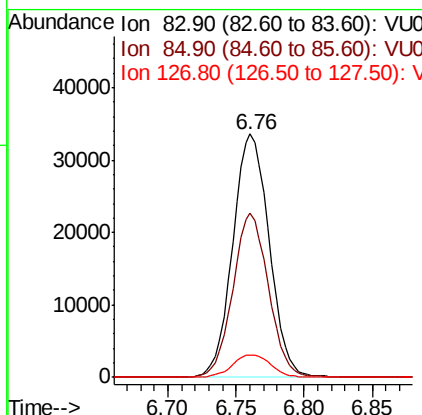
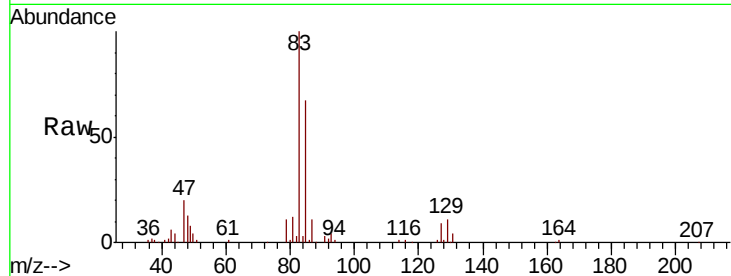
#47
 Bromodichloromethane
 Concen: 20.01 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	83	Resp	62305
Ion Ratio	100	Lower	Upper
83	100		
85	67.5	50.2	75.4
127	9.3	7.2	10.8

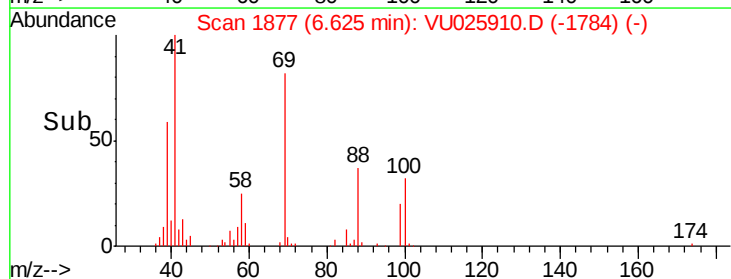
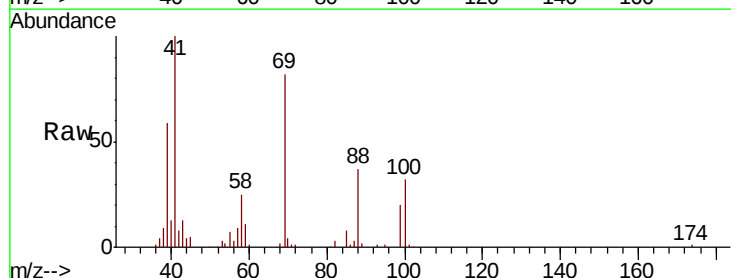
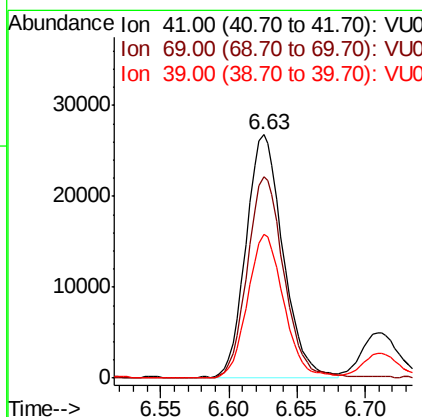
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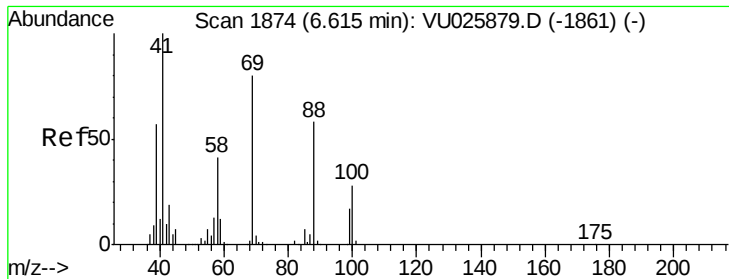
MMDadoda
 8/20/2018 5:45:34 PM



#48
 Methyl methacrylate
 Concen: 20.38 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	41	Resp	50575
Ion Ratio	100	Lower	Upper
41	100		
69	81.7	65.0	97.4
39	57.6	46.4	69.6





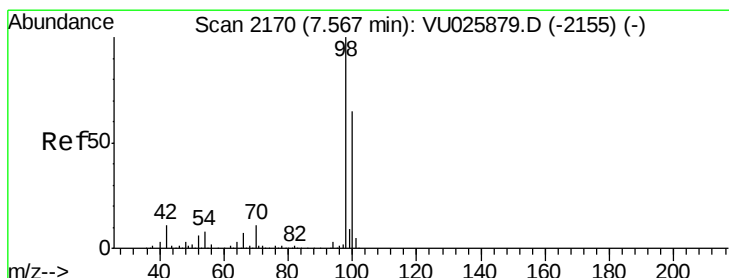
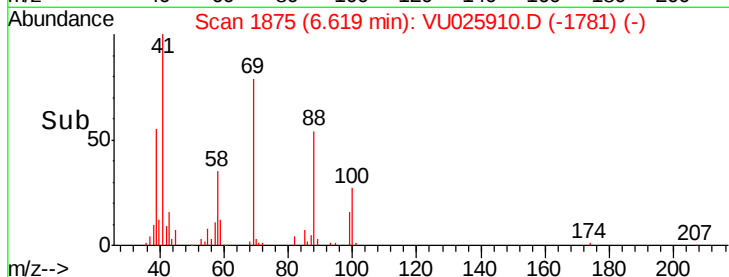
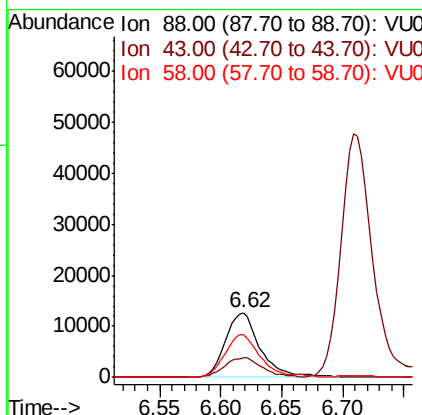
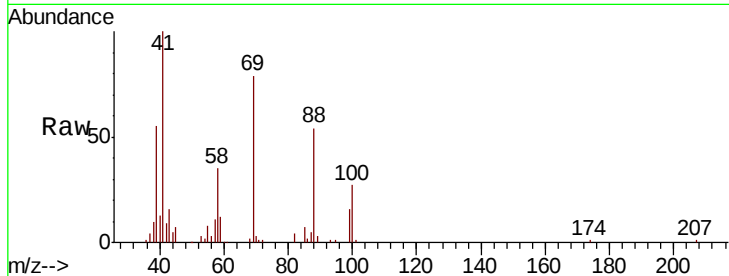
#49
 1,4-Dioxane
 Concen: 418.05 ug/l
 RT: 6.62 min Scan# 1875
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.3	40.9
58	67.2	57.6	86.4

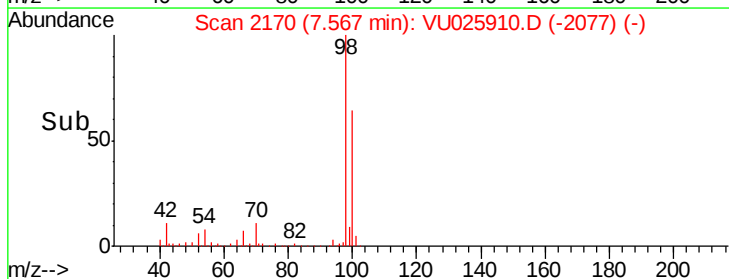
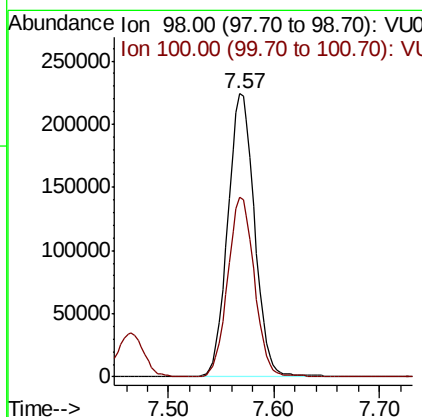
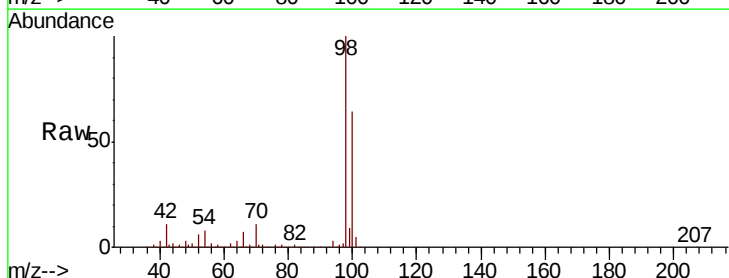
Manual Integrations
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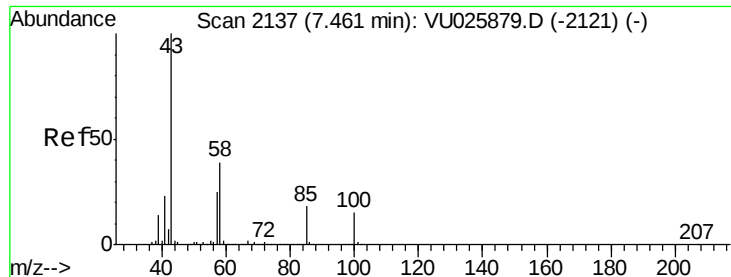
MMDadoda
 8/20/2018 5:45:34 PM



#50
 Toluene-d8
 Concen: 51.20 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.1	76.7





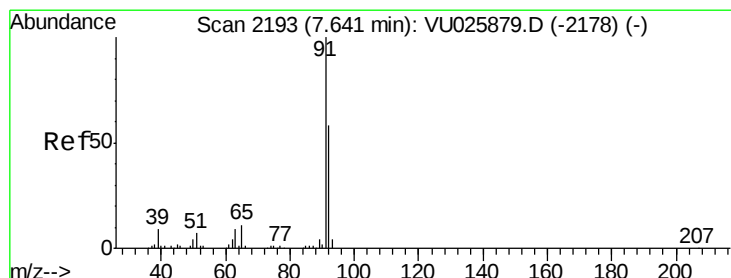
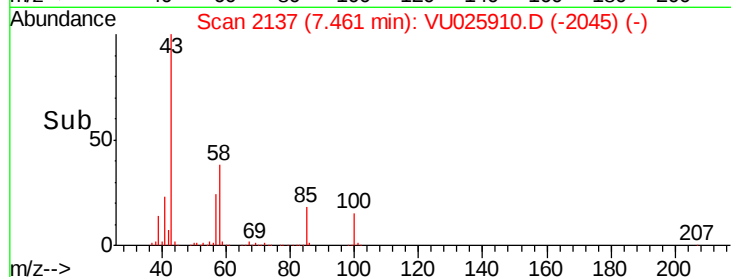
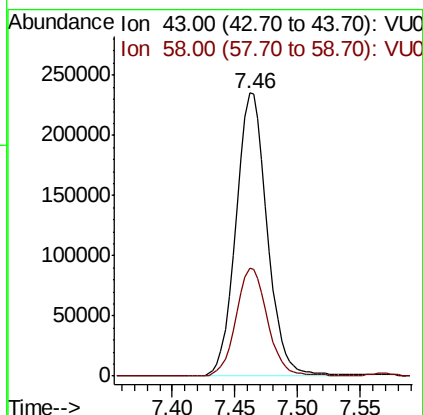
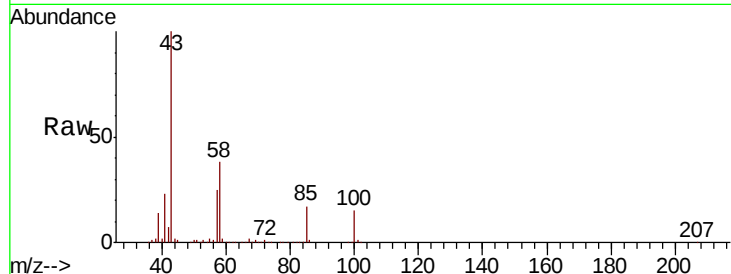
#51
4-Methyl-2-Pentanone
Concen: 128.47 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.0	46.4

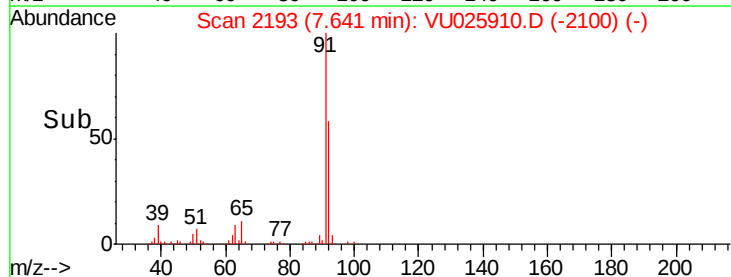
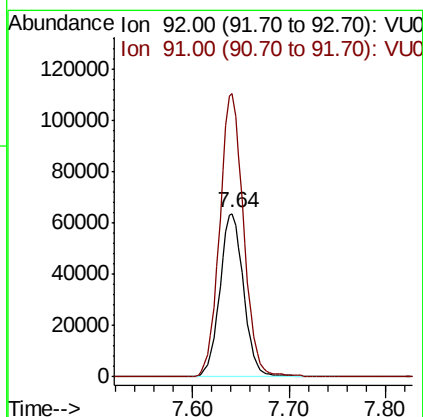
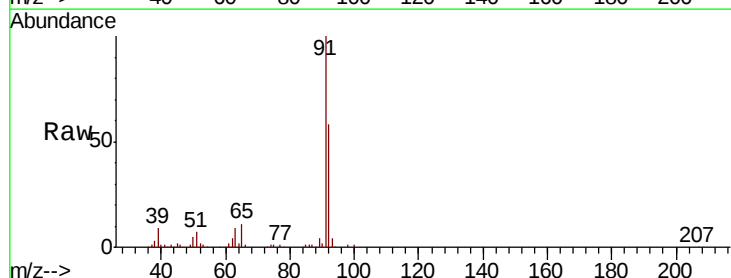
Manual Integrations
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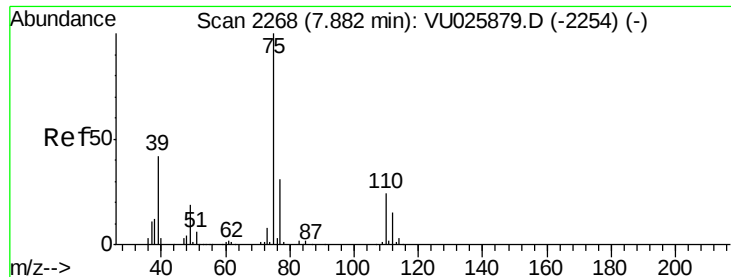
MMDadoda
8/20/2018 5:45:34 PM



#52
Toluene
Concen: 20.29 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.2	208.8





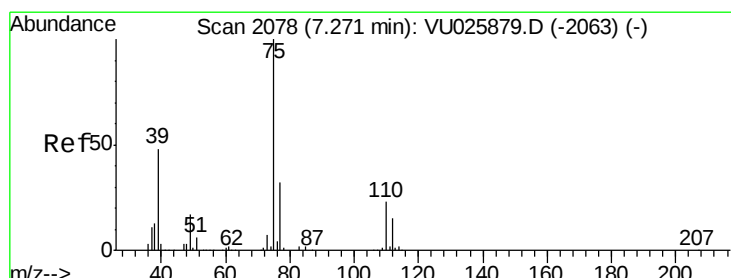
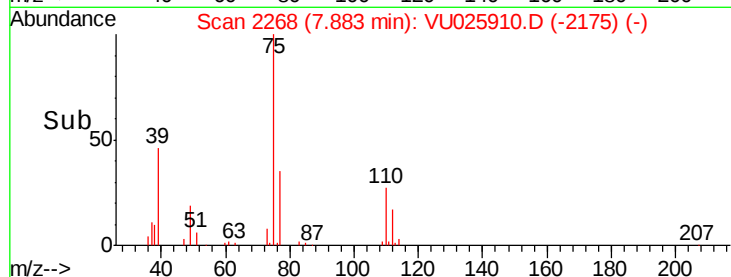
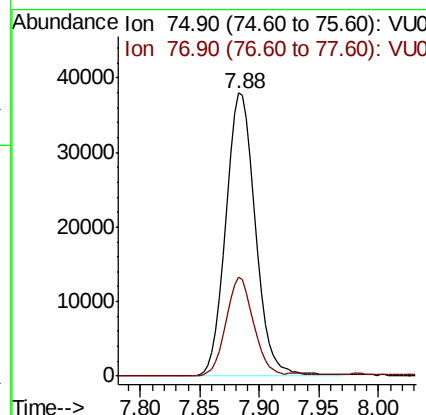
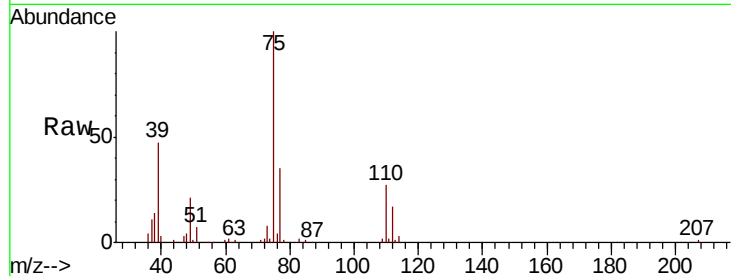
#53
t-1,3-Dichloropropene
Concen: 18.78 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.8	24.5	36.7

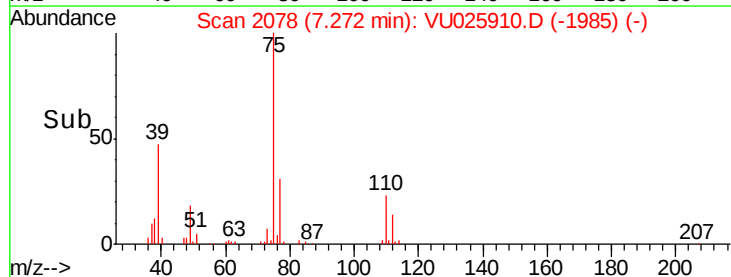
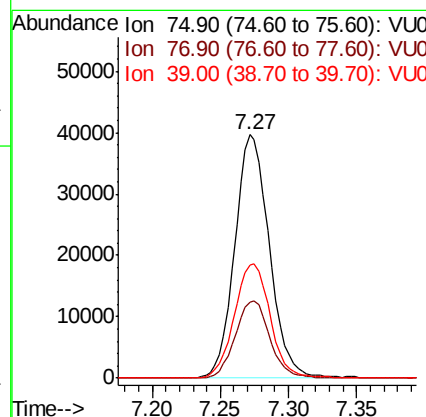
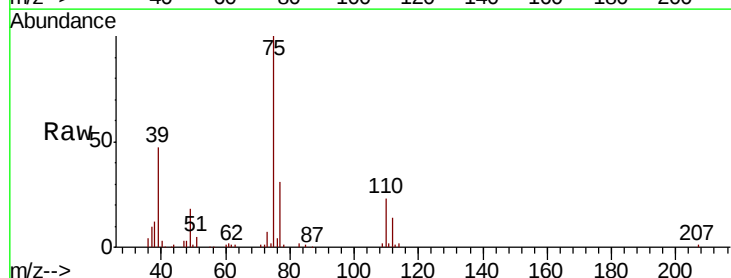
Manual Integrations
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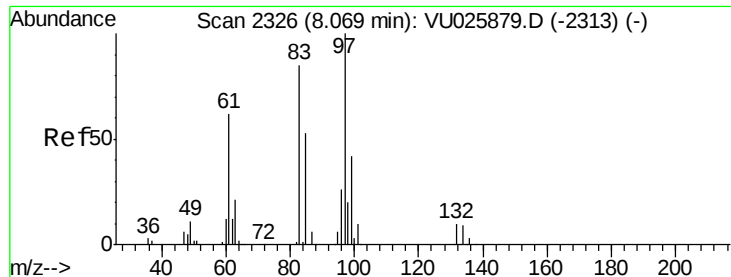
MMDadoda
8/20/2018 5:45:34 PM



#54
cis-1,3-Dichloropropene
Concen: 19.44 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
39	46.5	40.0	60.0





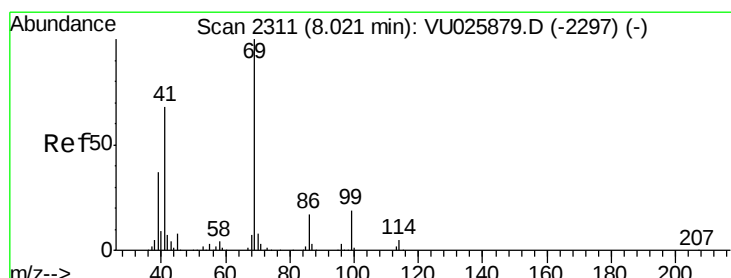
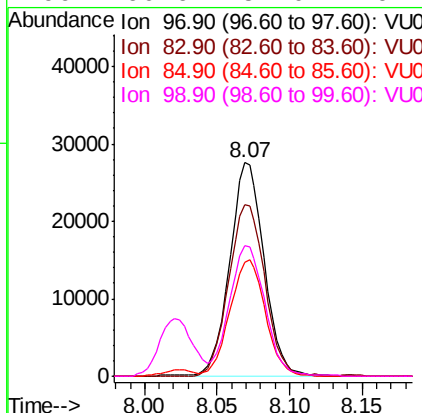
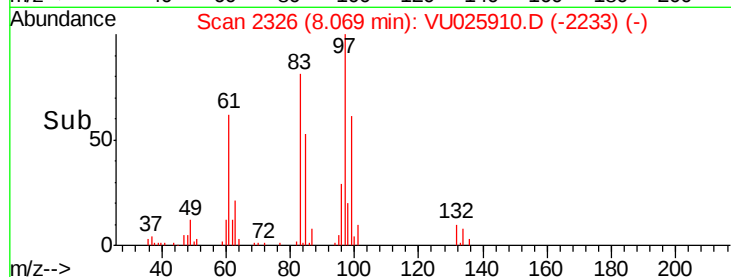
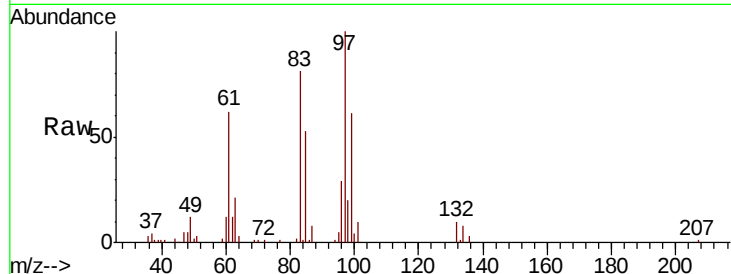
#55
 1,1,2-Trichloroethane
 Concen: 20.29 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion:	97	Resp:	45253
Ion	Ratio	Lower	Upper
97	100		
83	80.5	68.9	103.3
85	53.1	44.4	66.6
99	60.6	51.0	76.4

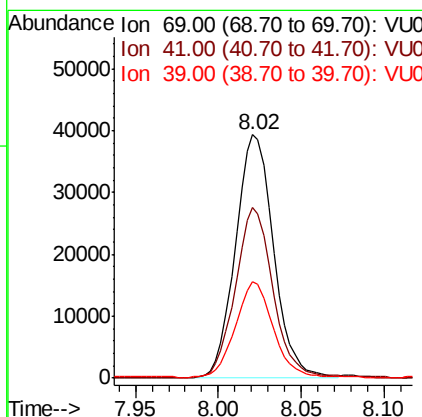
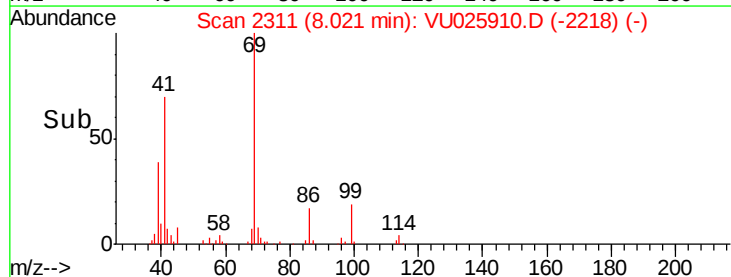
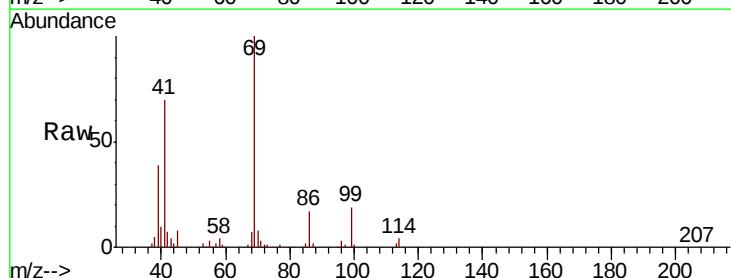
Manual Integrations
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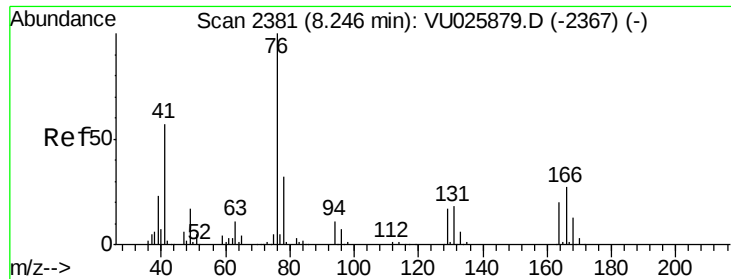
MMDadoda
 8/20/2018 5:45:34 PM



#56
 Ethyl methacrylate
 Concen: 19.77 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion:	69	Resp:	62991
Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.8	82.2
39	38.3	31.1	46.7





#57

1,3-Dichloropropane

Concen: 19.92 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 76 Resp: 74729

Ion Ratio Lower Upper

76 100

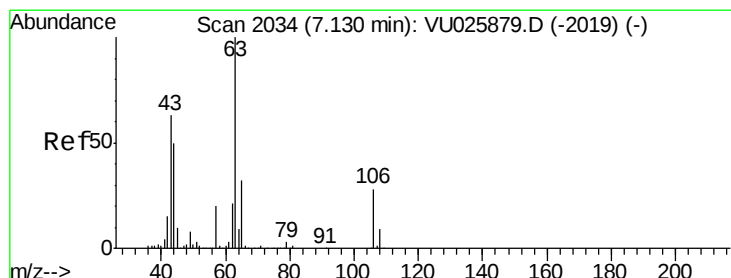
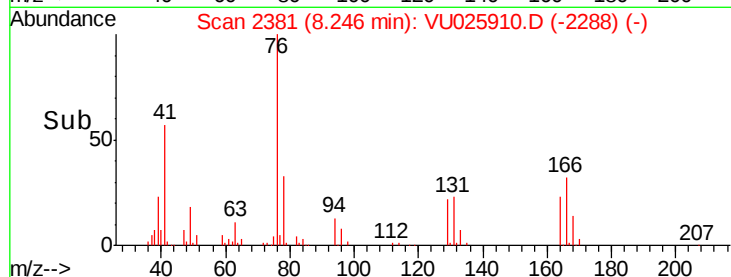
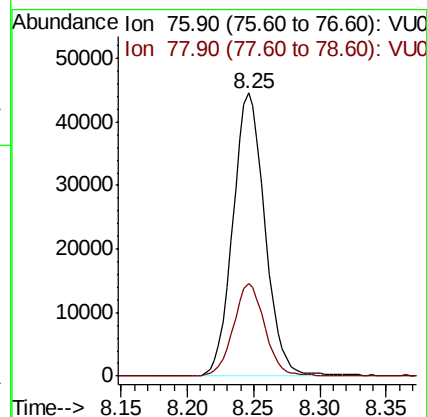
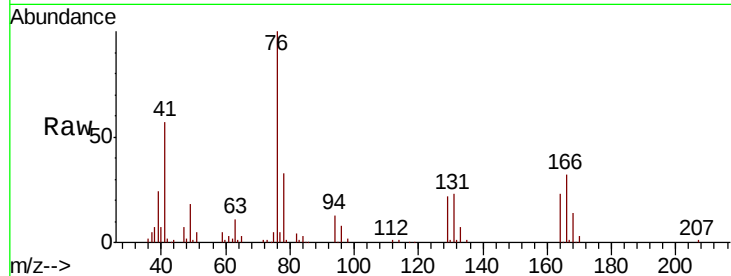
78 32.1 26.1 39.1

Manual Integrations

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8/20/2018 5:45:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.23 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025910.D

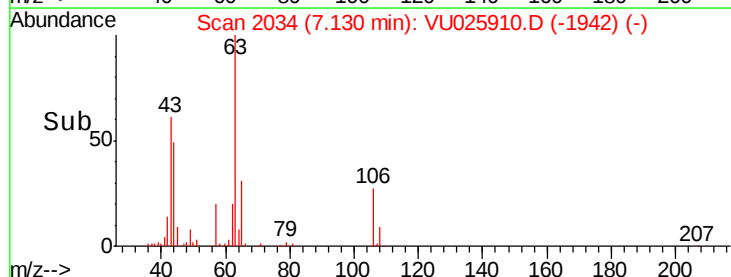
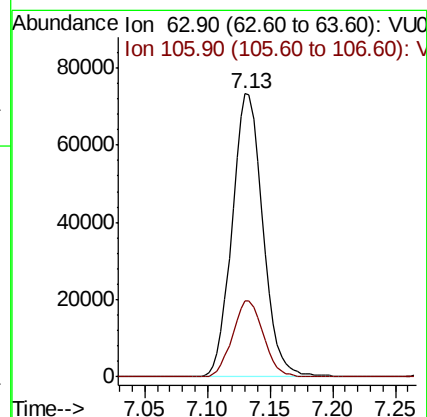
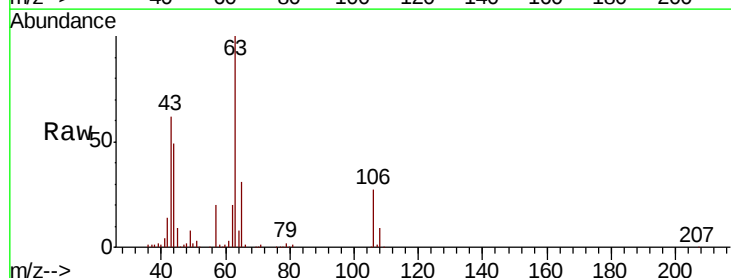
Acq: 07 Aug 2018 01:30

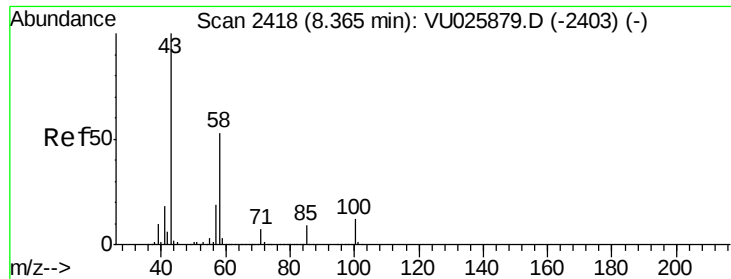
Tgt Ion: 63 Resp: 124973

Ion Ratio Lower Upper

63 100

106 27.0 22.3 33.5





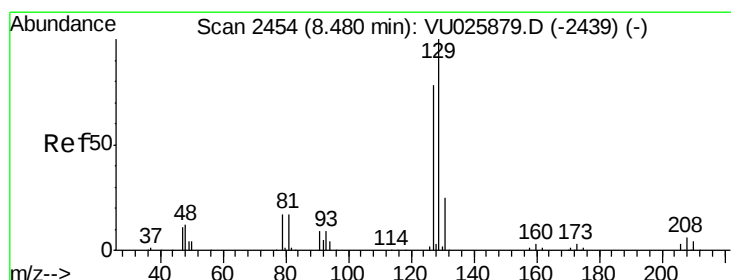
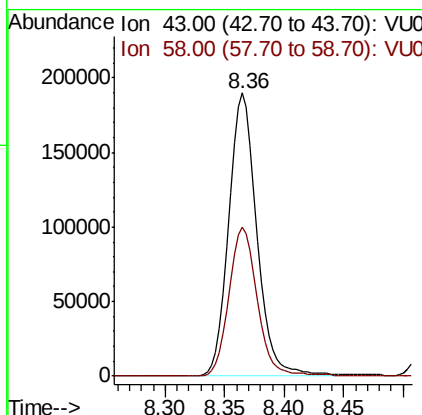
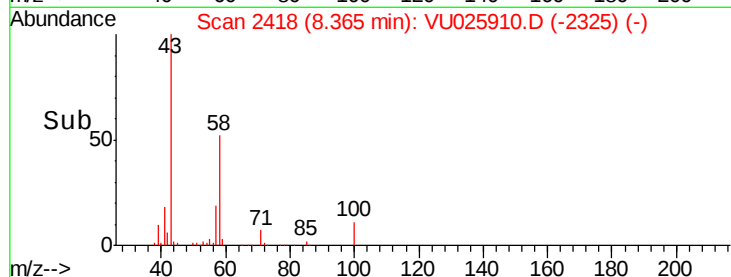
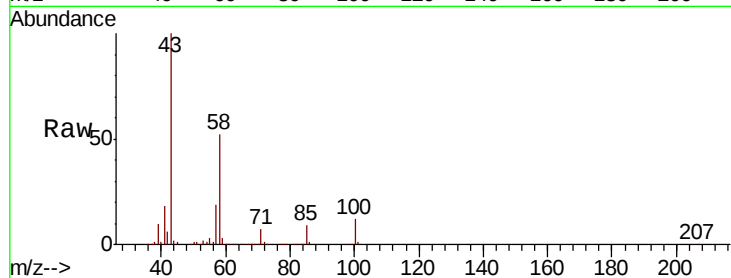
#59
2-Hexanone
Concen: 125.27 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.2	78.5

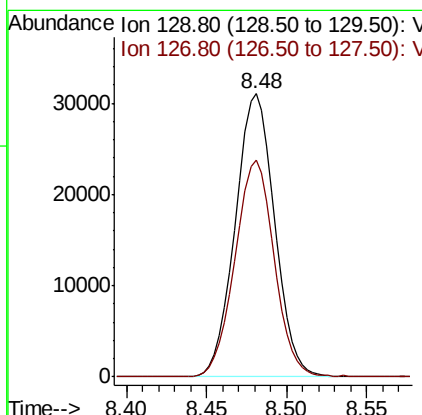
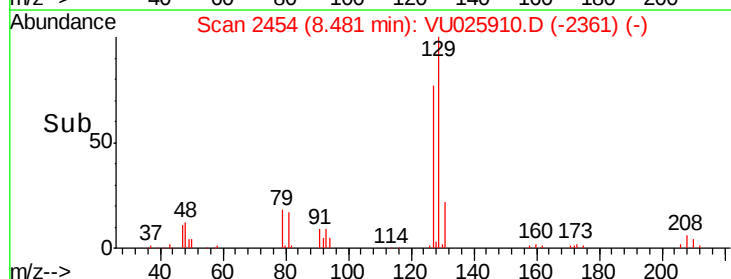
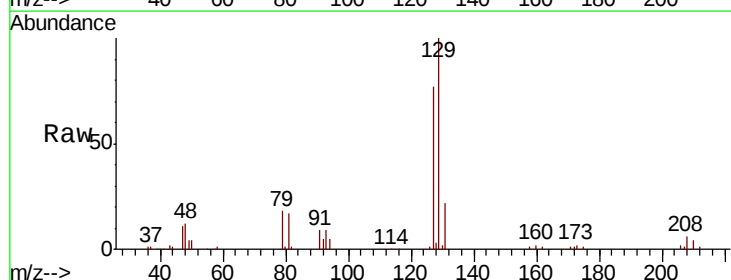
Manual Integrations
APPROVED

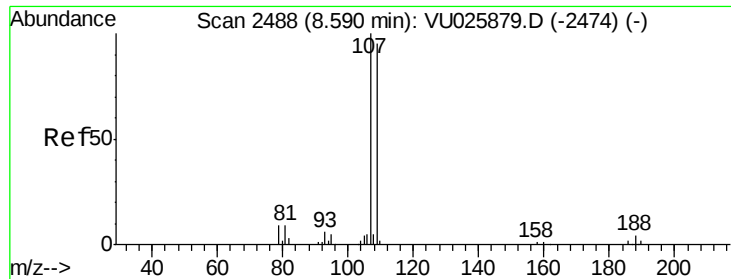
MMDadoda
8/20/2018 5:45:34 PM



#60
Dibromochloromethane
Concen: 19.78 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.03 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion:107 Resp: 49681

Ion Ratio Lower Upper

107 100

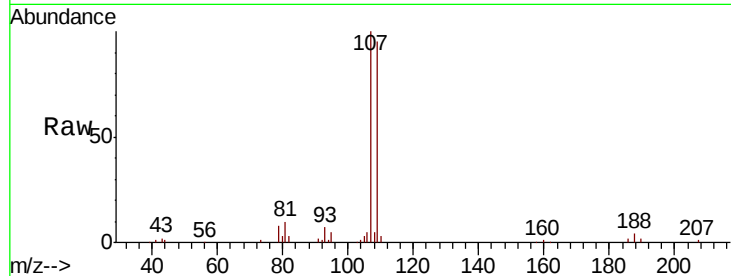
109 92.5 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/20/2018 5:45:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

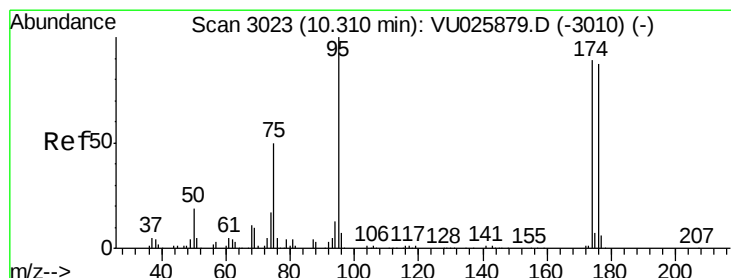
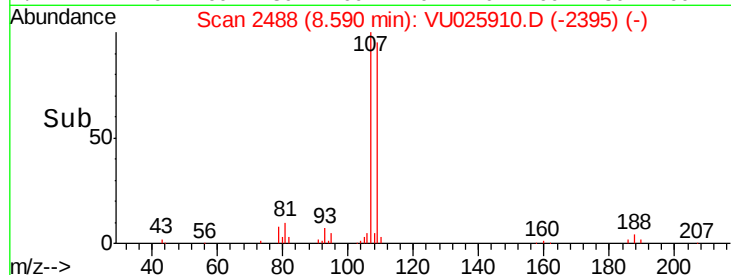
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.59 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

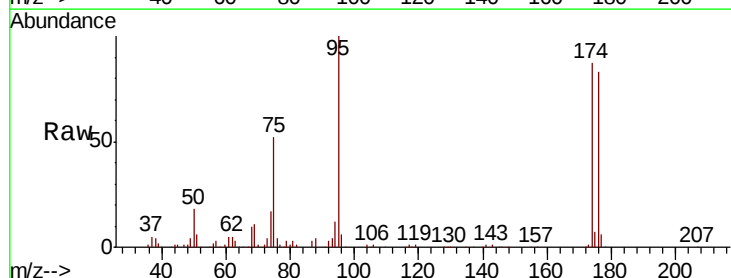
Tgt Ion: 95 Resp: 148150

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

176 84.8 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

120000

100000

80000

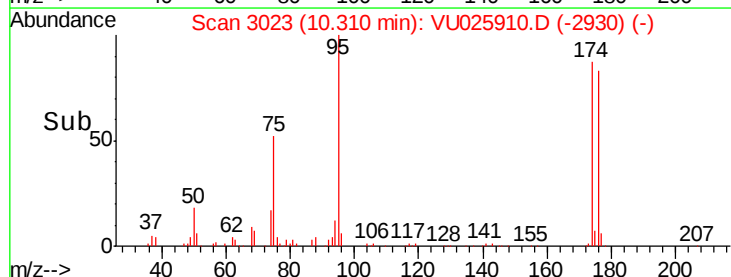
60000

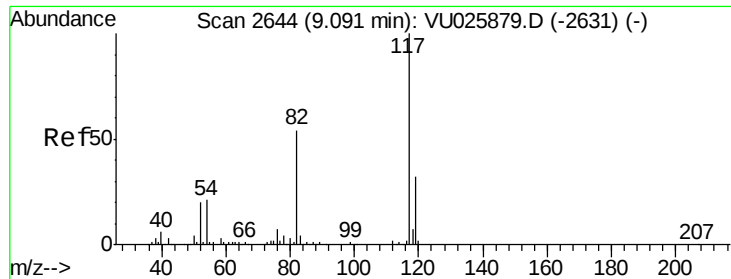
40000

20000

0

Time-->





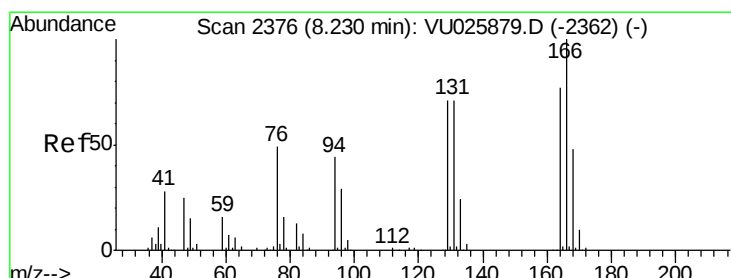
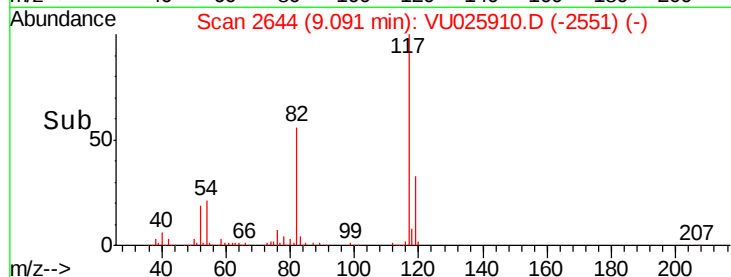
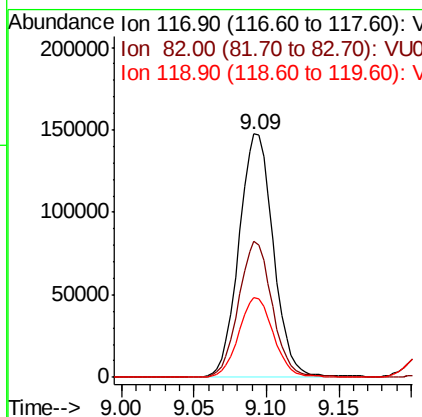
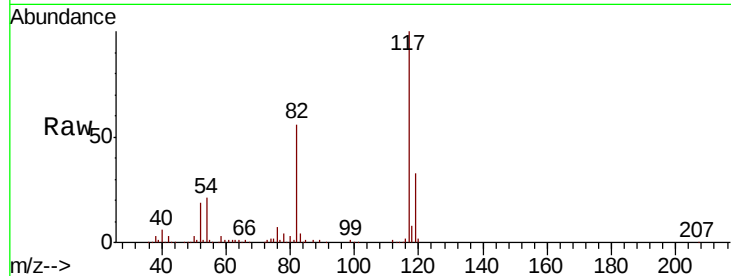
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243815		
82	55.7	46.0	69.0	
119	32.7	26.0	39.0	

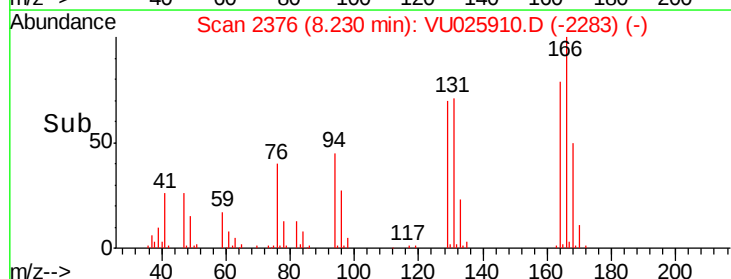
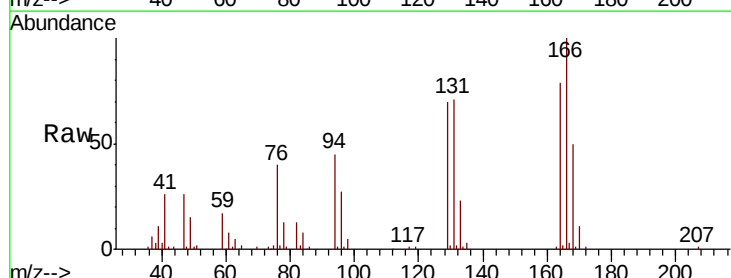
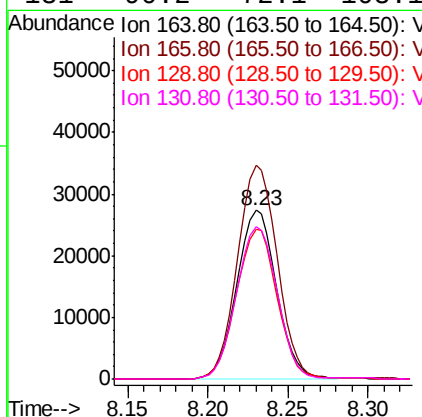
Manual Integrations
APPROVED

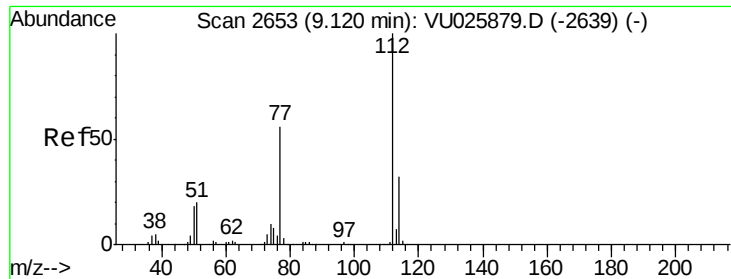
MMDadoda
8/20/2018 5:45:34 PM



#64
Tetrachloroethene
Concen: 21.57 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46301		
166	126.8	101.1	151.7	
129	88.7	73.0	109.6	
131	90.2	72.1	108.1	





#65

Chlorobenzene

Concen: 19.93 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion:112 Resp: 125269

Ion Ratio Lower Upper

112 100

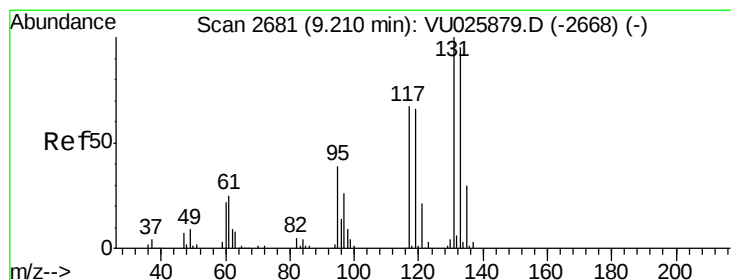
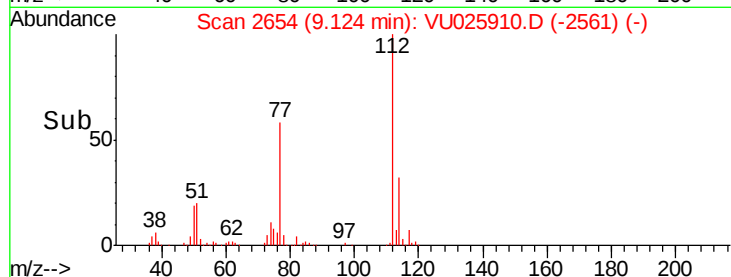
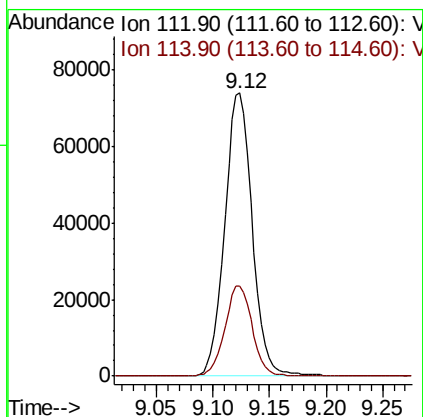
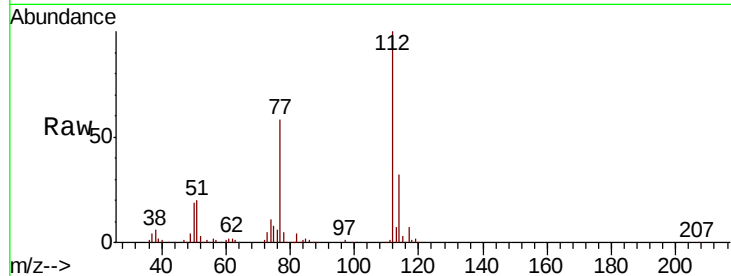
114 32.0 25.8 38.8

Manual Integrations

APPROVED

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8/20/2018 5:45:34 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

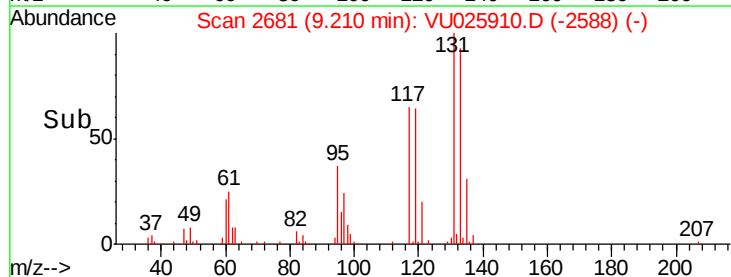
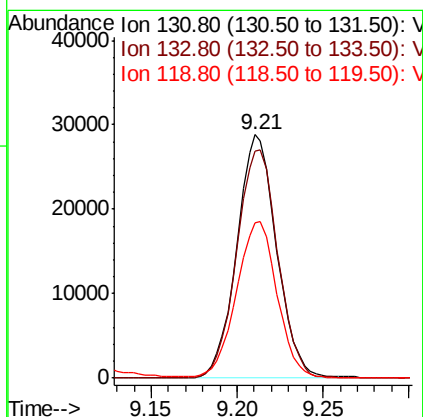
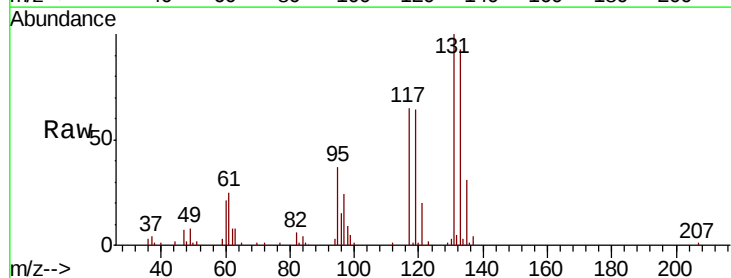
Tgt Ion:131 Resp: 46332

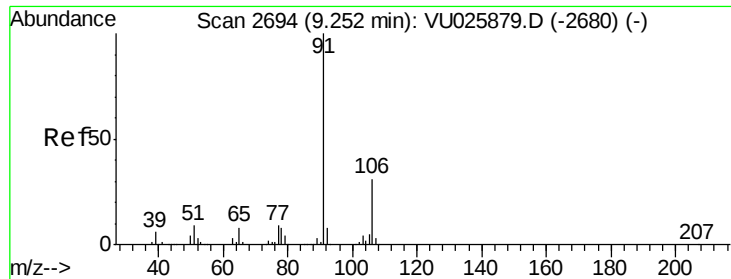
Ion Ratio Lower Upper

131 100

133 97.0 47.8 143.3

119 66.2 31.6 95.0





#67

Ethyl Benzene

Concen: 19.67 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 91 Resp: 204783

Ion Ratio Lower Upper

91 100

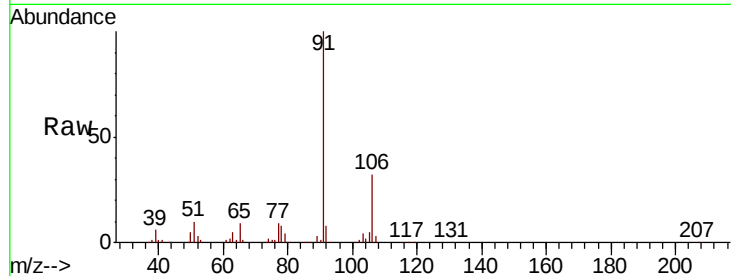
106 32.0 25.3 37.9

Manual Integrations

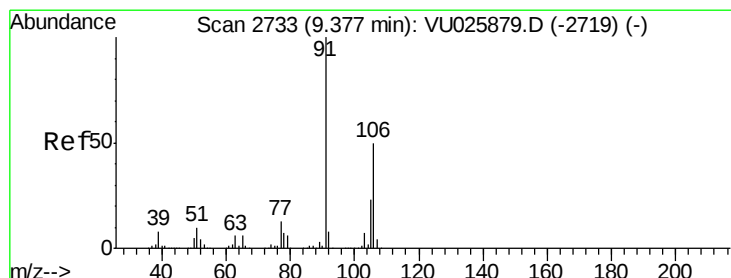
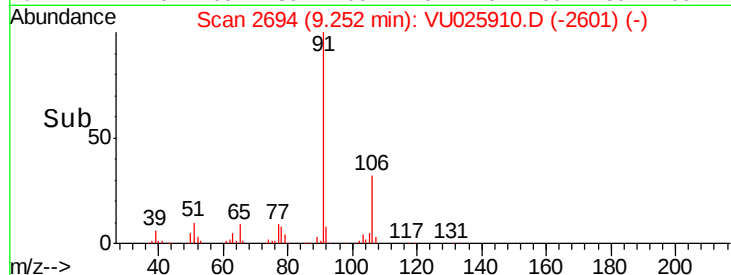
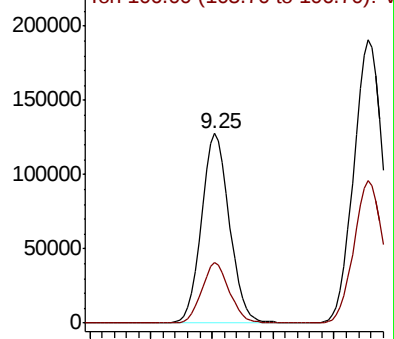
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8/20/2018 5:45:34 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-2680) (-)



#68

m/p-Xylenes

Concen: 40.59 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025910.D

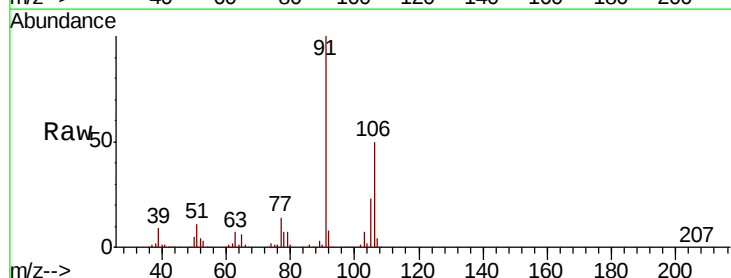
Acq: 07 Aug 2018 01:30

Tgt Ion: 106 Resp: 162268

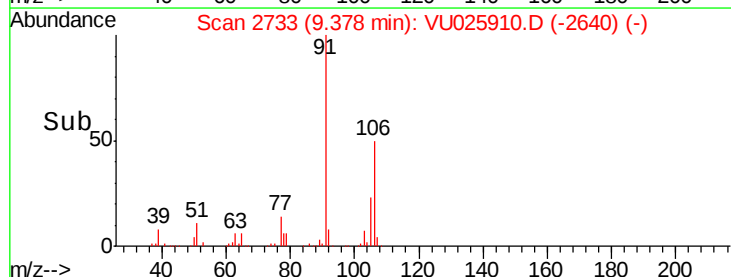
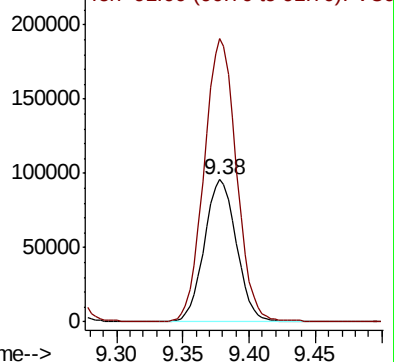
Ion Ratio Lower Upper

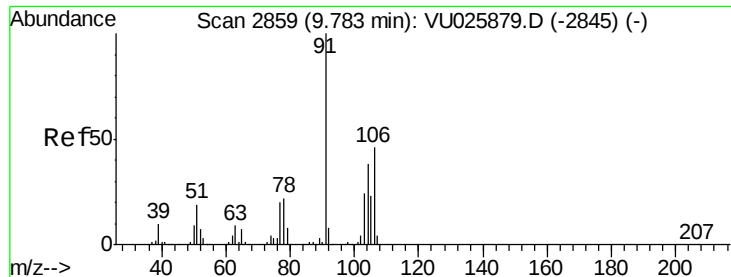
106 100

91 199.0 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025879.D (-2719) (-)





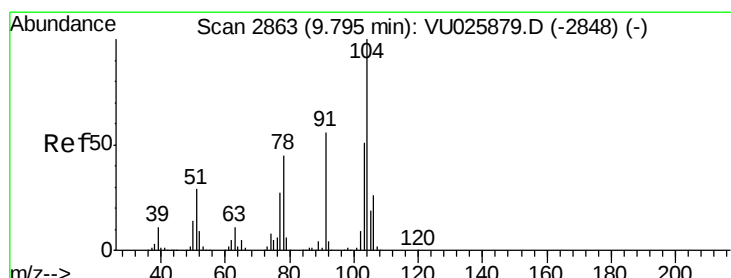
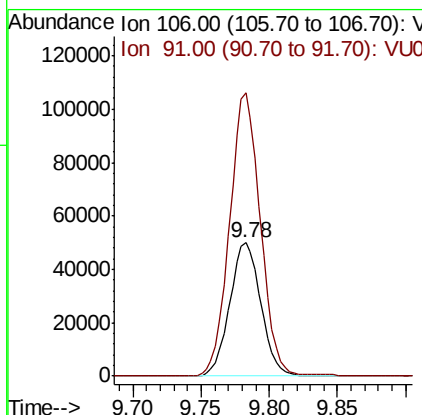
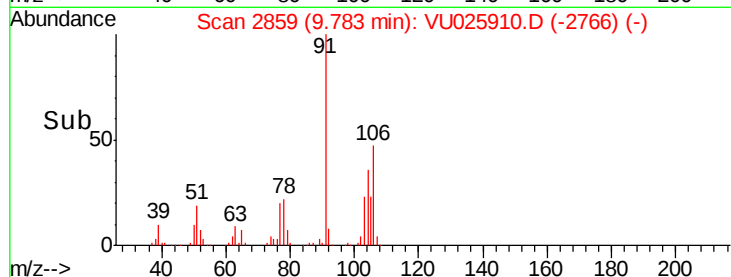
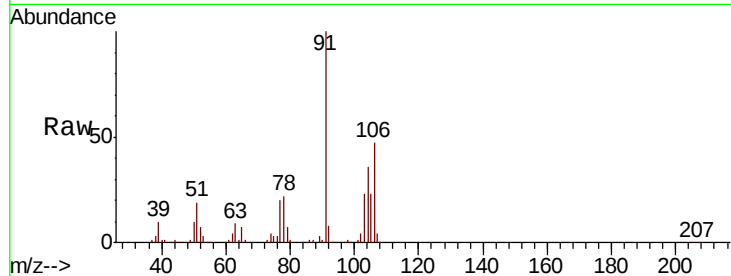
#69
o-Xylene
Concen: 20.22 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	105.3	315.8

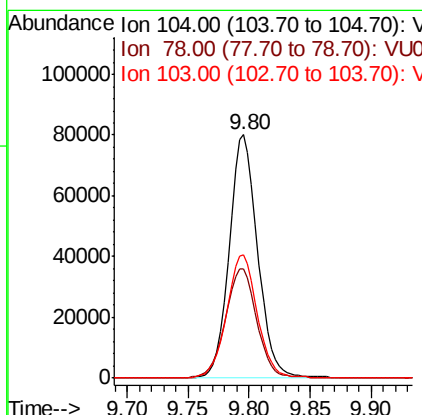
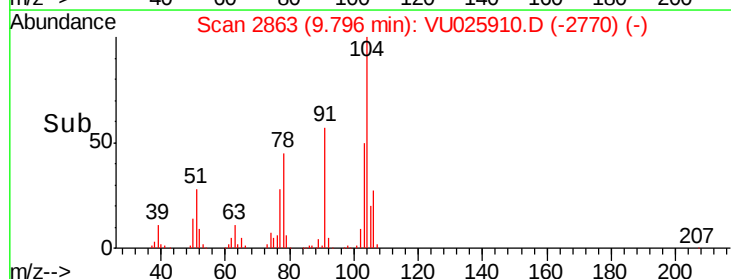
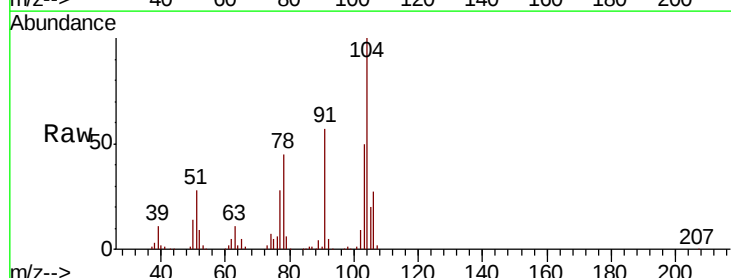
Manual Integrations
APPROVED

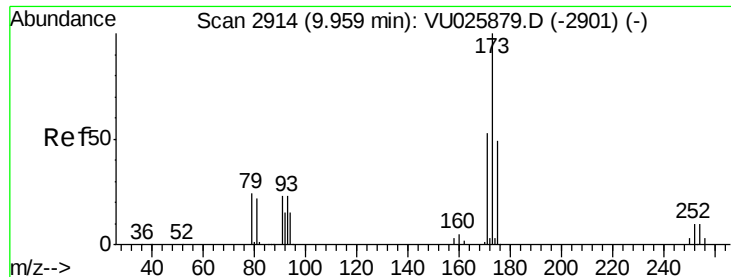
MMDadoda
8/20/2018 5:45:34 PM



#70
Styrene
Concen: 20.59 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	41.6	62.4
103	54.7	44.6	66.8





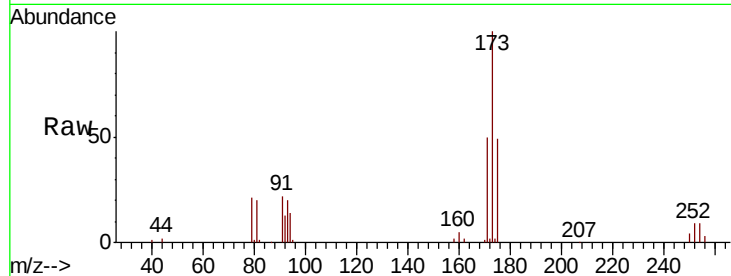
#71
Bromoform
Concen: 20.40 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	49.3	24.0	72.0	
254	0.0	0.0	0.0	

Manual Integrations
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8/20/2018 5:45:34 PM

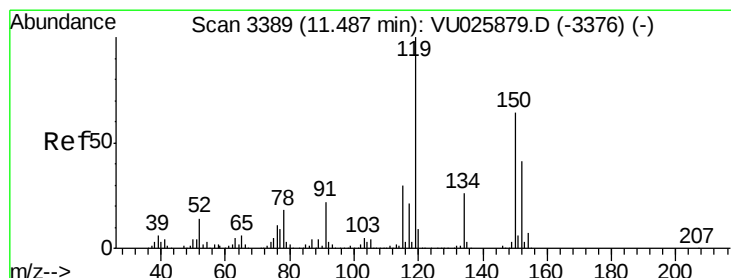
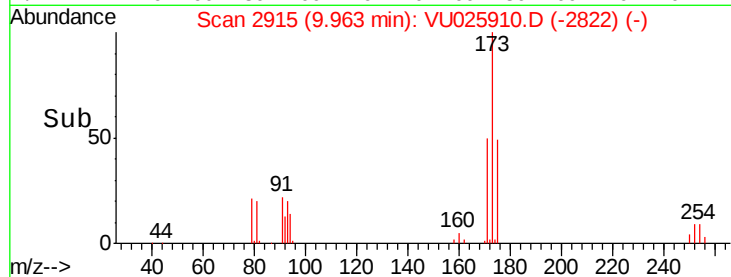
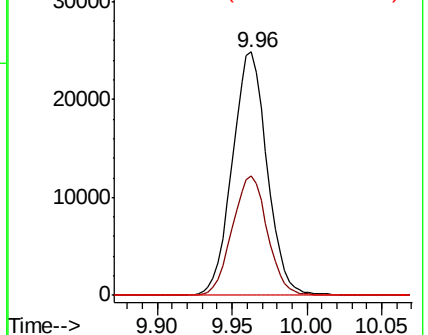


Abundance

Ion 172.70 (172.40 to 173.40): V

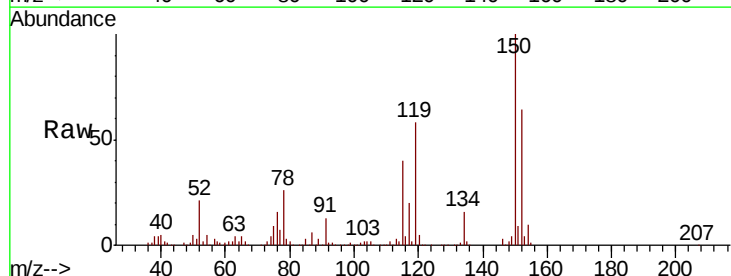
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	64.9	40.1	120.3	
150	161.7	0.0	351.4	

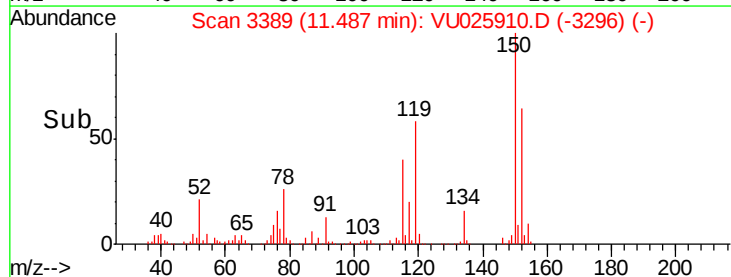
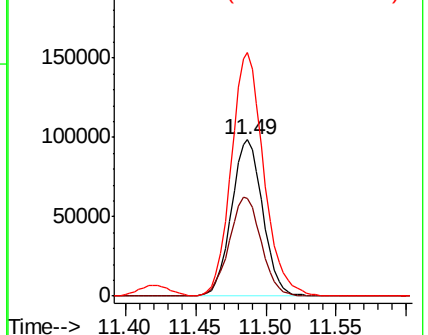


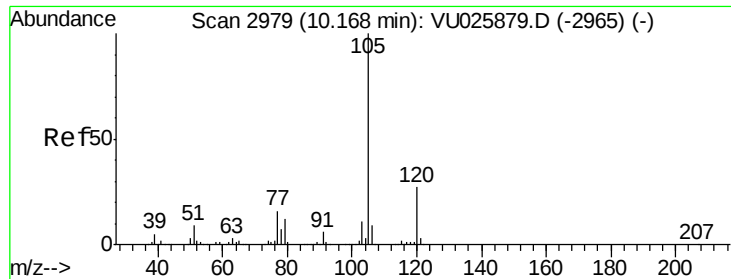
Abundance

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: 20.45 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 105 Resp: 213361

Ion Ratio Lower Upper

105 100

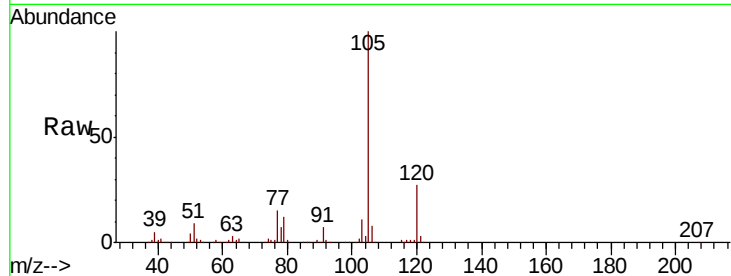
120 26.4 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

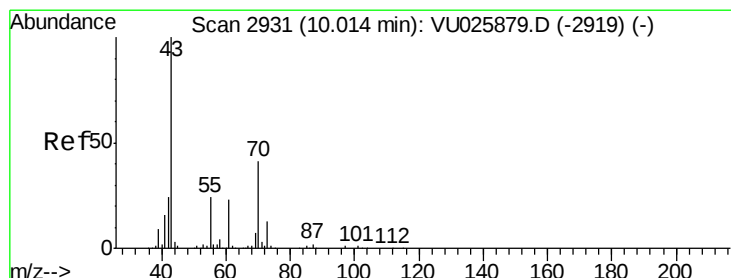
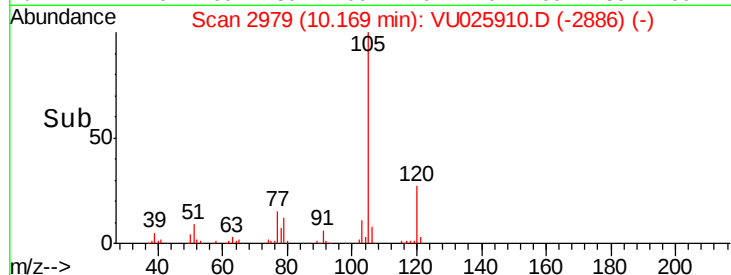
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.52 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion: 43 Resp: 87387

Ion Ratio Lower Upper

43 100

70 41.2 33.4 50.2

55 25.6 19.0 28.6

61 23.8 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

80000

10.01

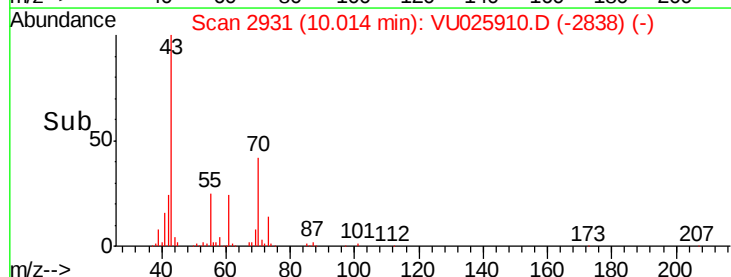
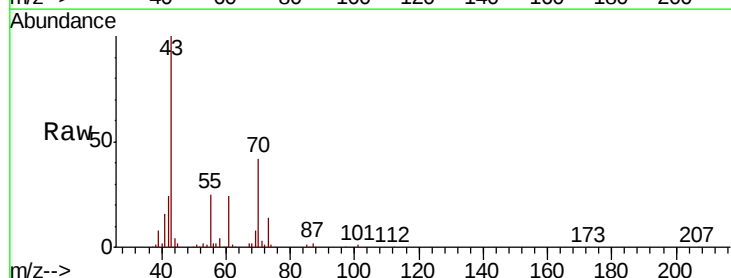
60000

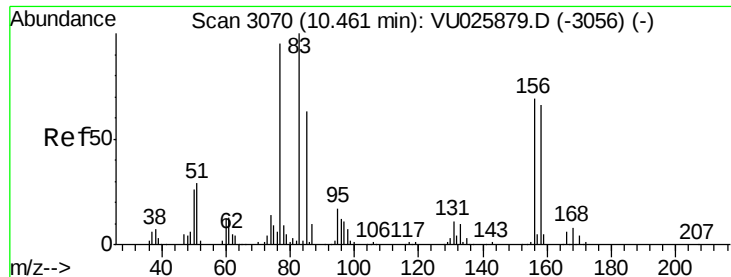
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.23 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion: 83 Resp: 72982

Ion Ratio Lower Upper

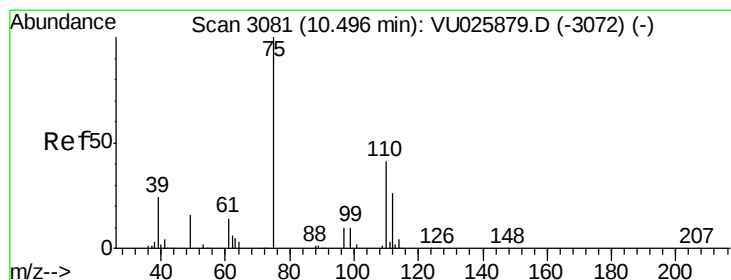
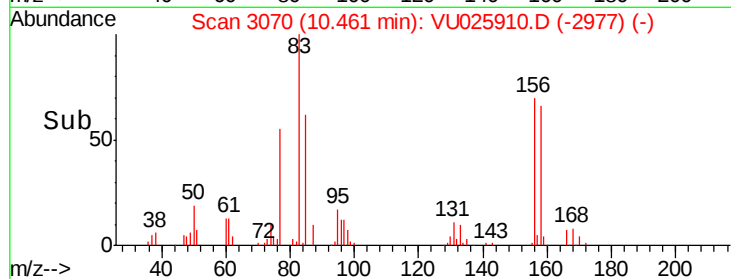
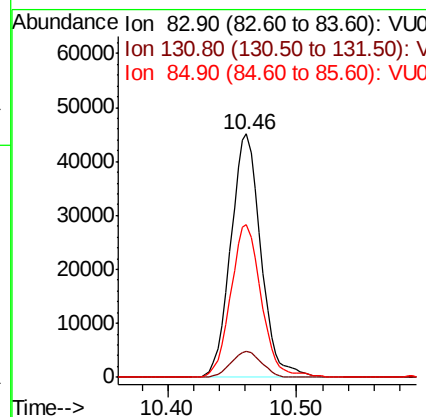
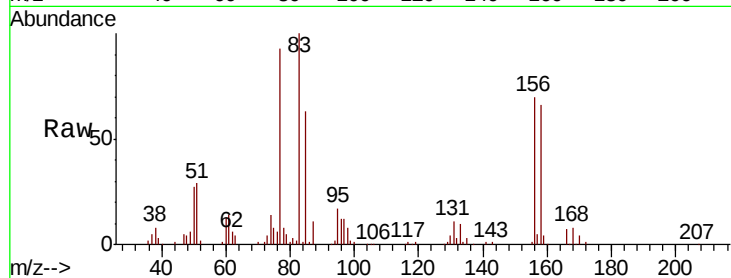
83 100

131 10.8 5.5 16.4

85 63.9 31.6 94.8

Manual Integrations
APPROVED

MMDadoda
8/20/2018 5:45:34 PM



#76

1,2,3-Trichloropropane

Concen: 19.44 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025910.D

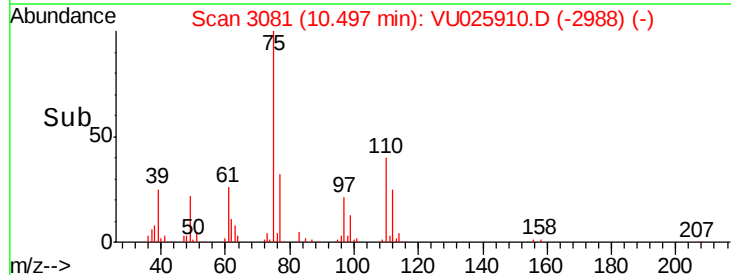
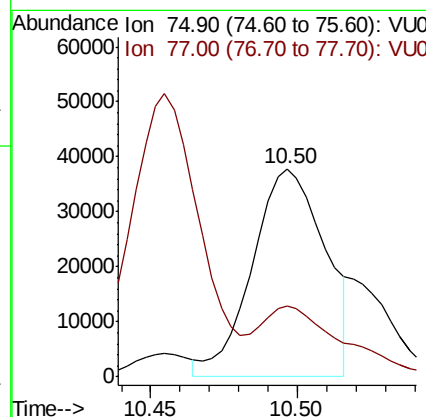
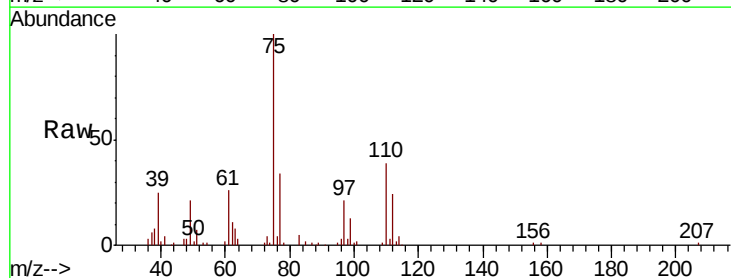
Acq: 07 Aug 2018 01:30

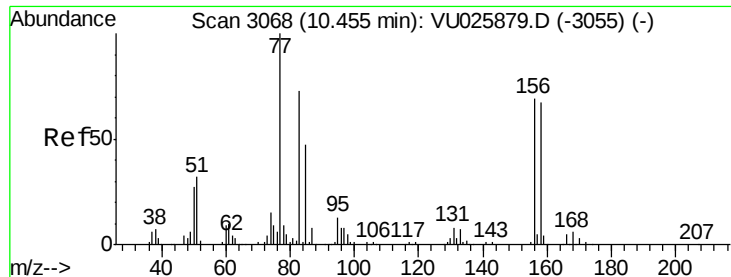
Tgt Ion: 75 Resp: 65478

Ion Ratio Lower Upper

75 100

77 37.6 20.4 61.3





#77

Bromobenzene

Concen: 20.13 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion:156 Resp: 57923

Ion Ratio Lower Upper

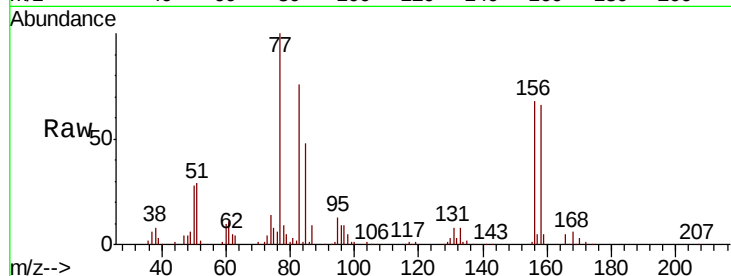
156 100

77 145.1 73.8 221.4

158 96.6 48.0 144.0

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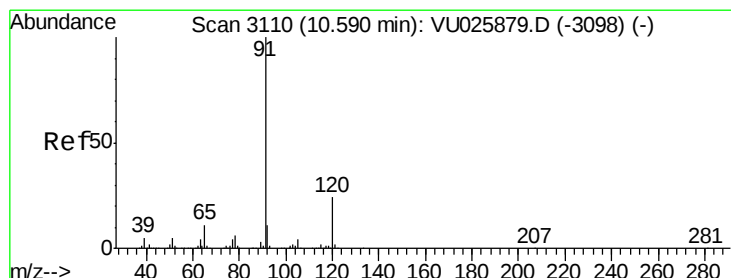
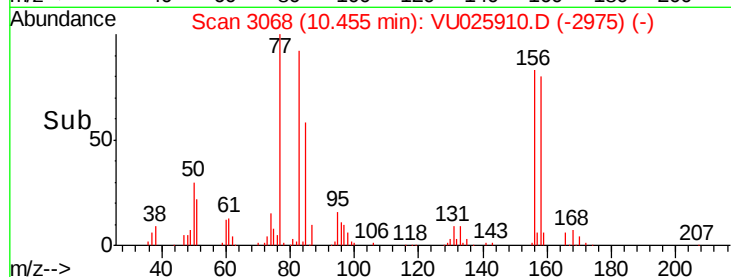
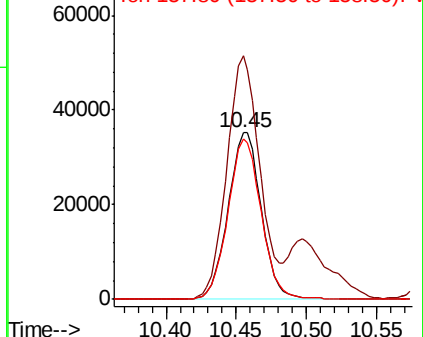
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.01 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025910.D

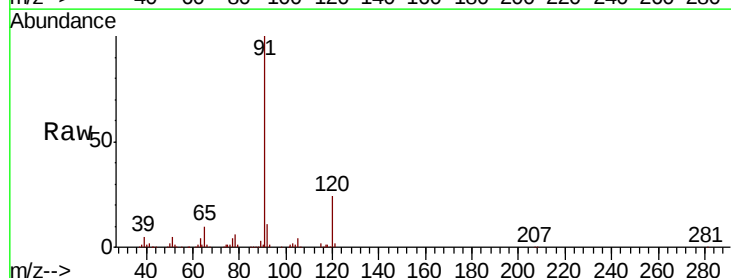
Acq: 07 Aug 2018 01:30

Tgt Ion: 91 Resp: 243585

Ion Ratio Lower Upper

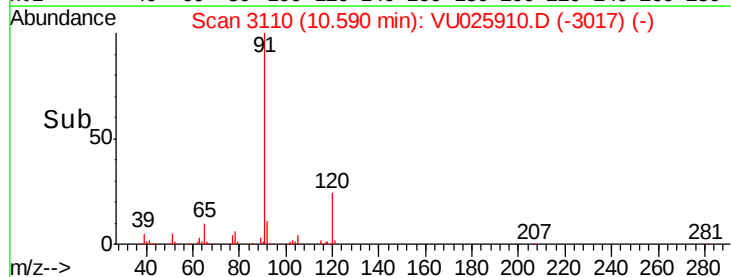
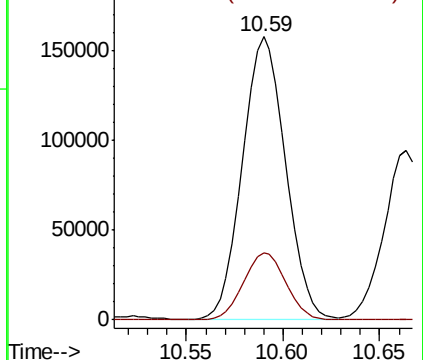
91 100

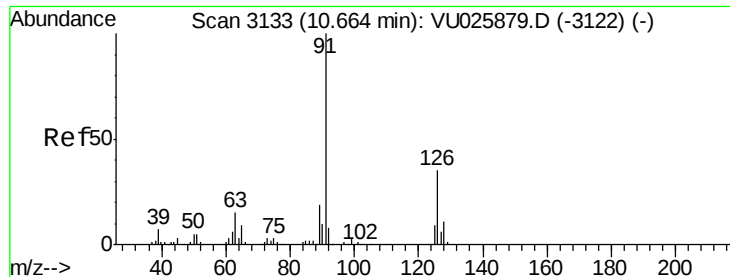
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.59 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampled :

VU0806WBSD02

Tot Ion: 91 Resp: 146829

Ion Ratio Lower Upper

91 100

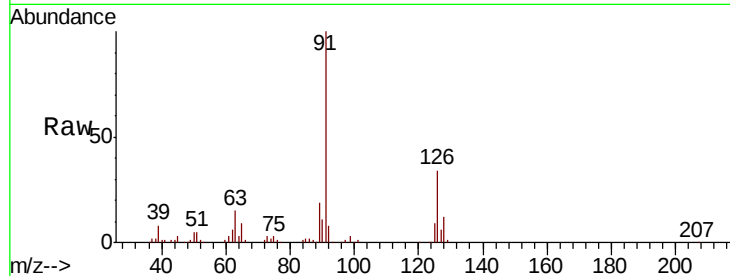
126 34.5 17.5 52.6

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VU025879.D (-3122) (-)

150000

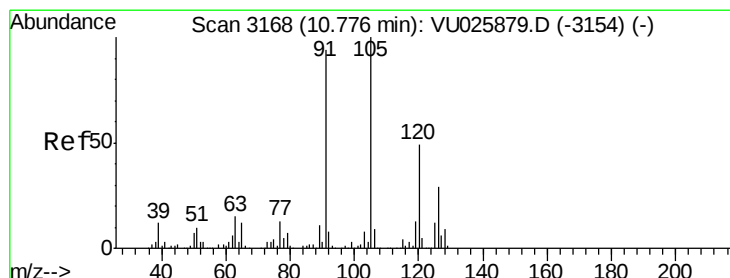
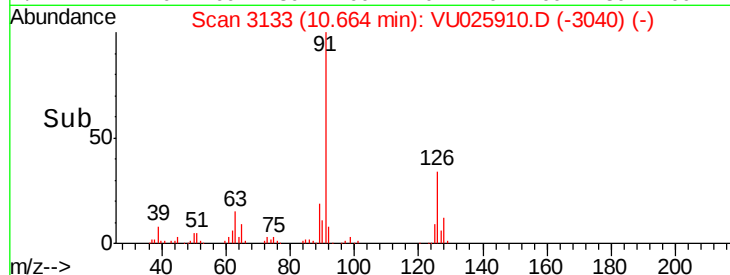
100000

50000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.16 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025910.D

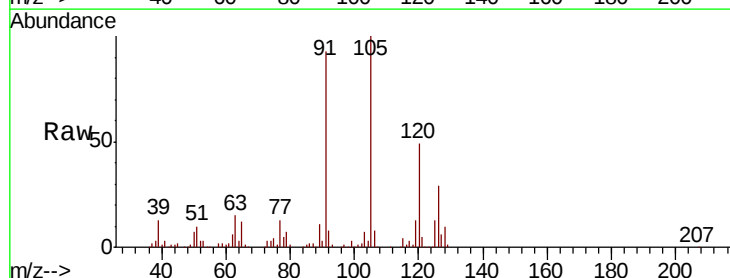
Acq: 07 Aug 2018 01:30

Tgt Ion: 105 Resp: 178623

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.2



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

Ion 120.00 (119.70 to 120.70): VU025879.D (-3154) (-)

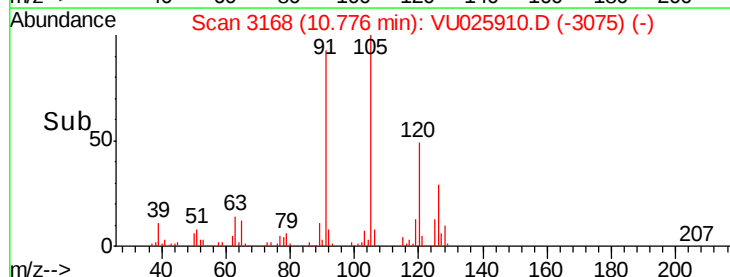
100000

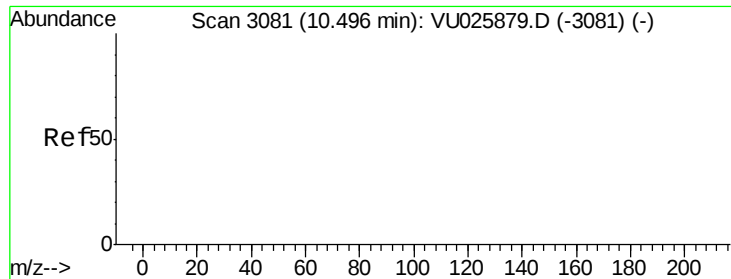
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.98 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VU025910.D

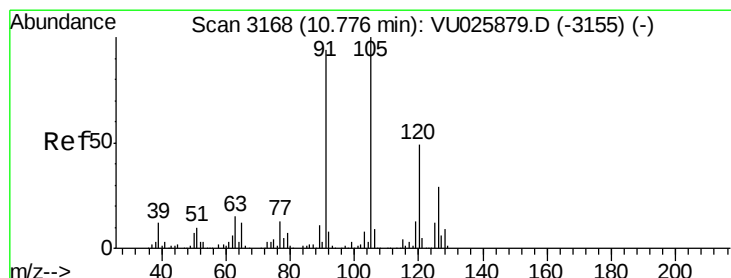
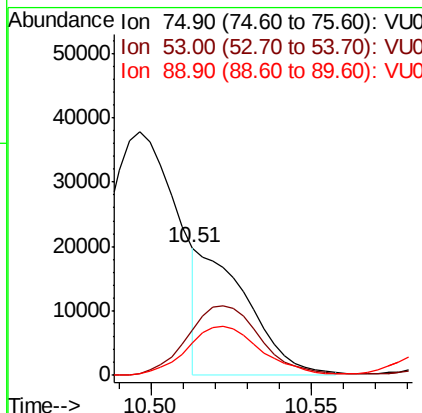
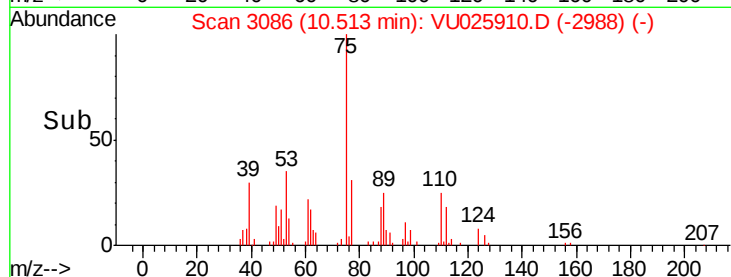
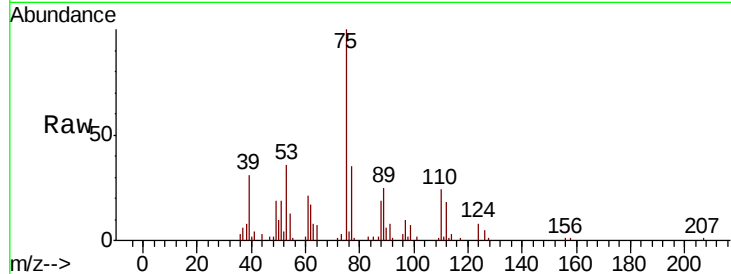
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

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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#82

4-Chlorotoluene

Concen: 20.53 ug/l

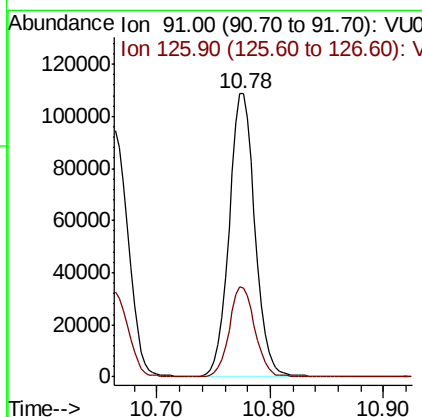
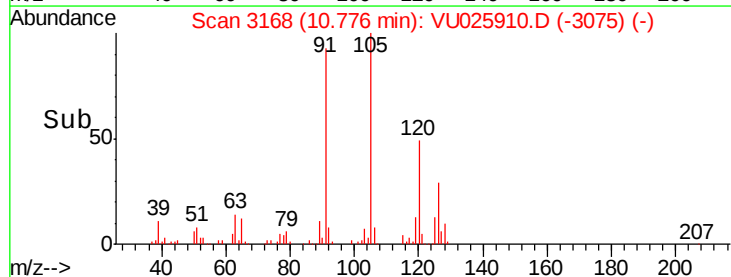
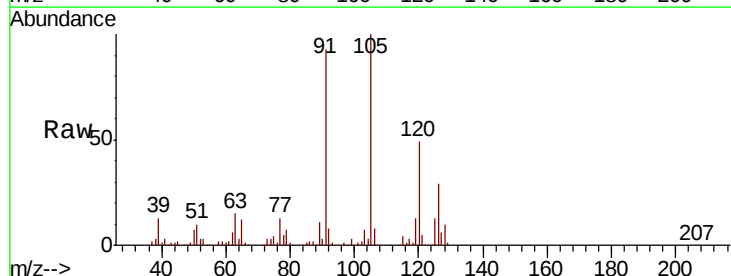
RT: 10.78 min Scan# 3168

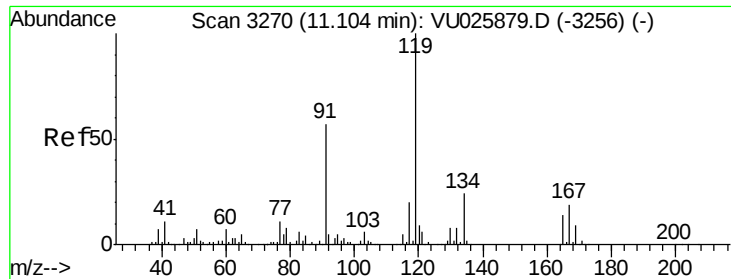
Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.3	45.9





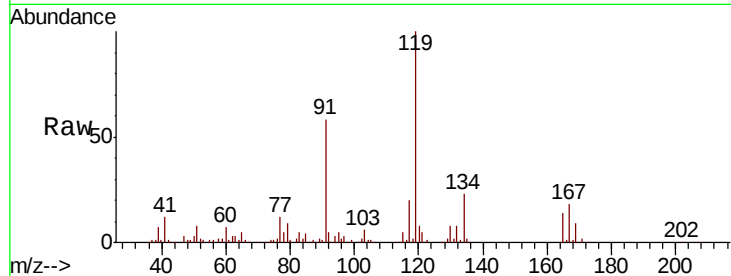
#83
 tert-Butylbenzene
 Concen: 19.62 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172725		
91	58.0		29.7	89.1
134	22.8		11.5	34.5

Manual Integrations
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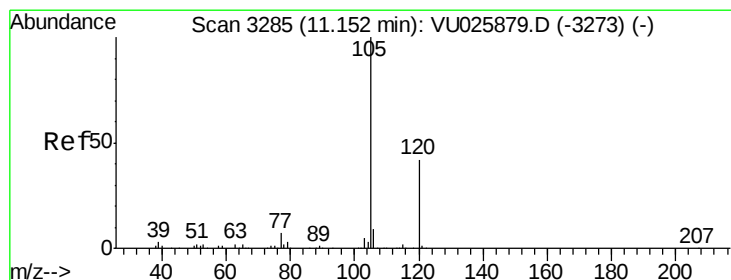
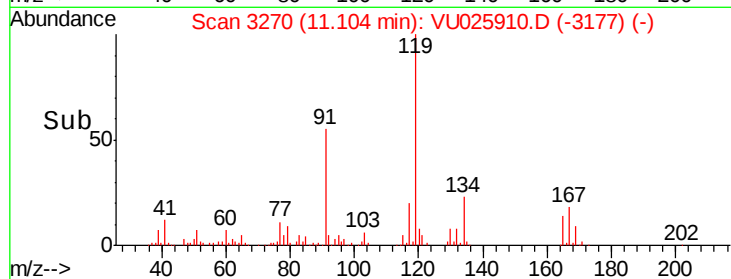
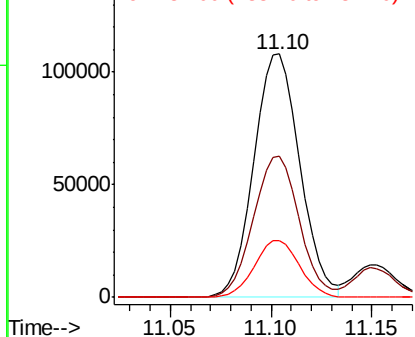


Abundance

Ion 119.00 (118.70 to 119.70): V

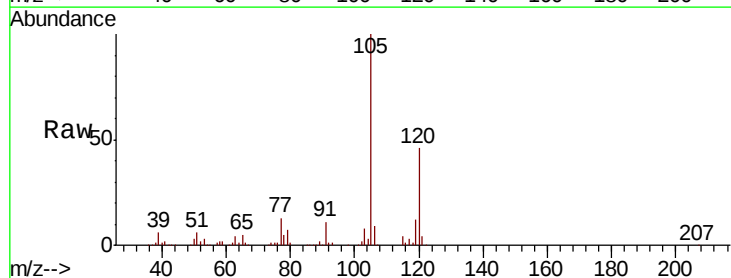
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

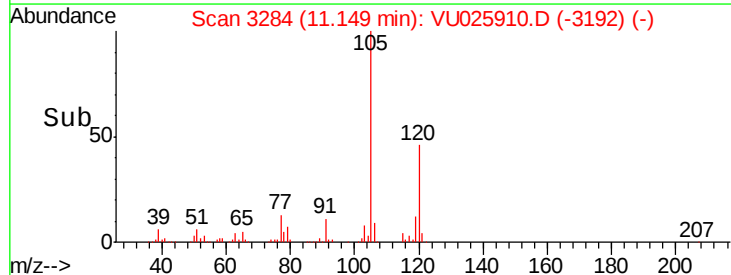
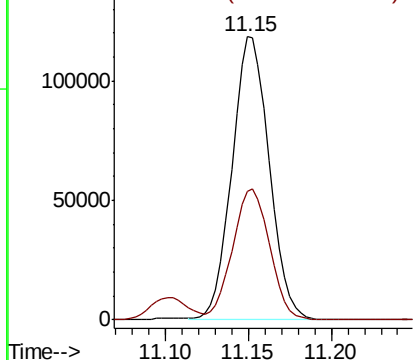
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	183498		
120	46.5		22.3	66.8

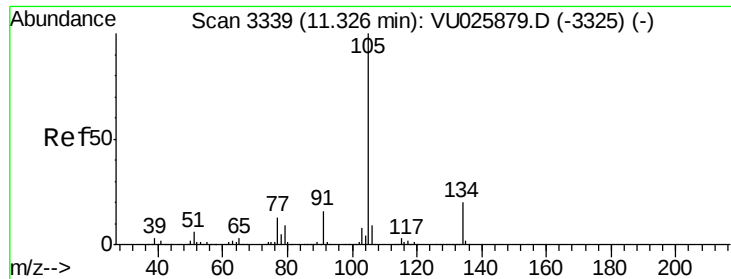


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.49 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBSD02

Tot Ion:105 Resp: 209485

Ion Ratio Lower Upper

105 100

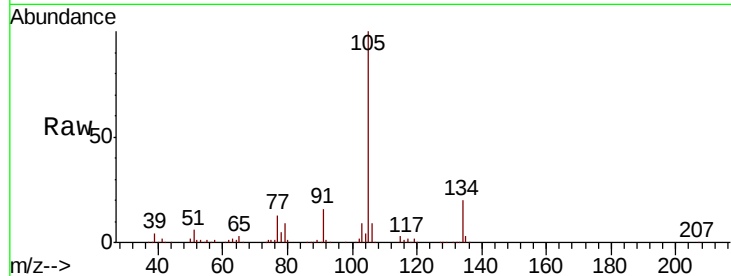
134 20.0 10.3 30.8

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

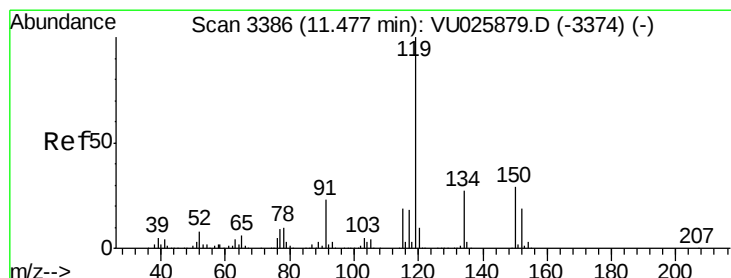
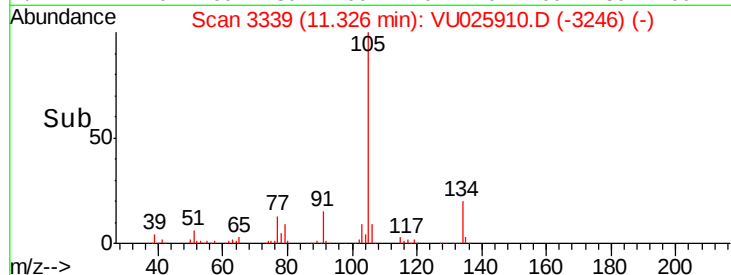
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.73 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

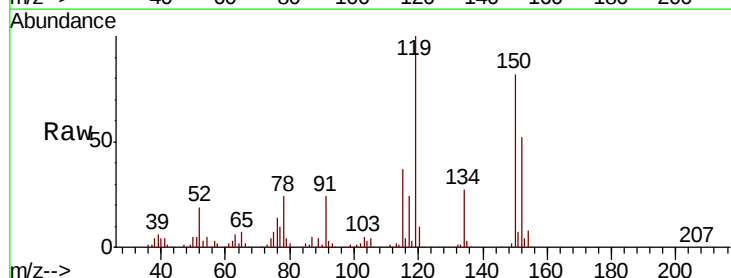
Tgt Ion:119 Resp: 189891

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.8 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

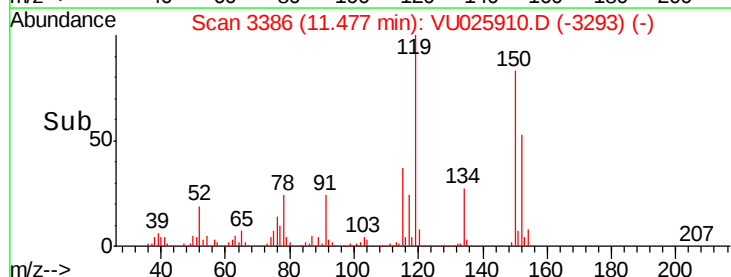
150000

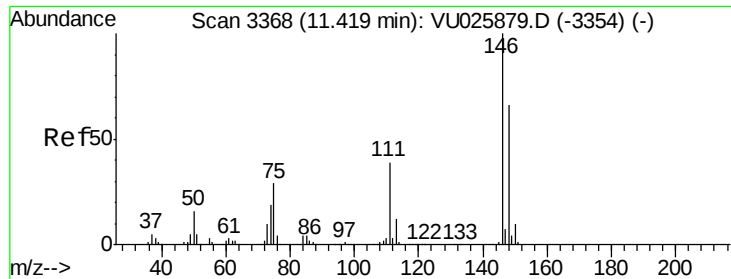
100000

50000

0

Time-->





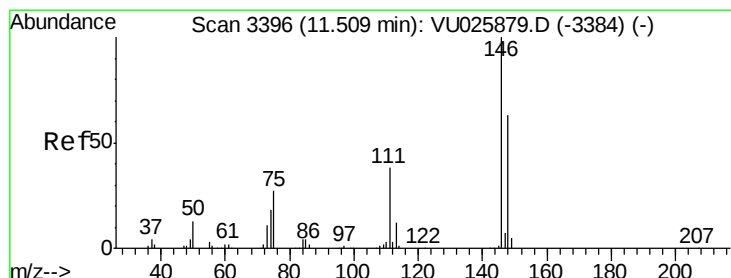
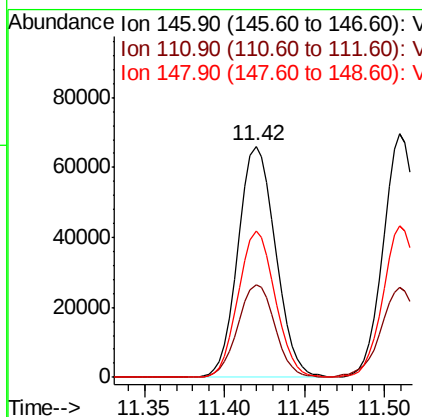
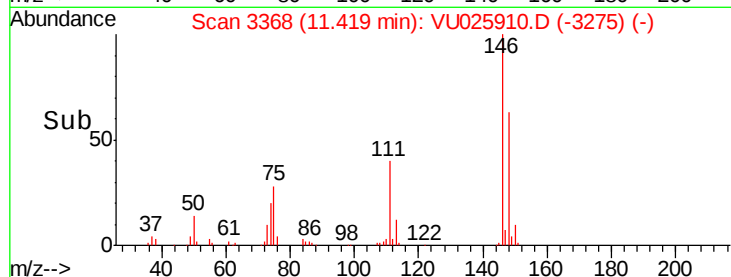
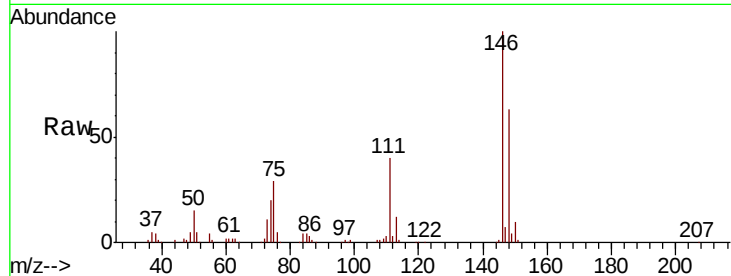
#87
 1,3-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	62.3	32.1	96.3

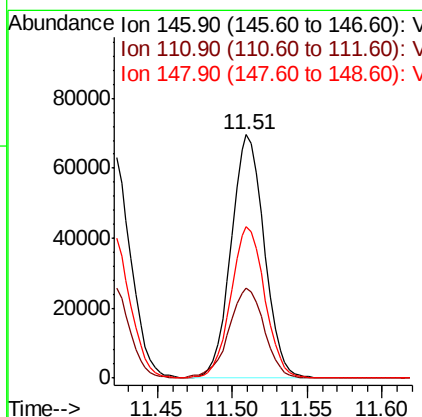
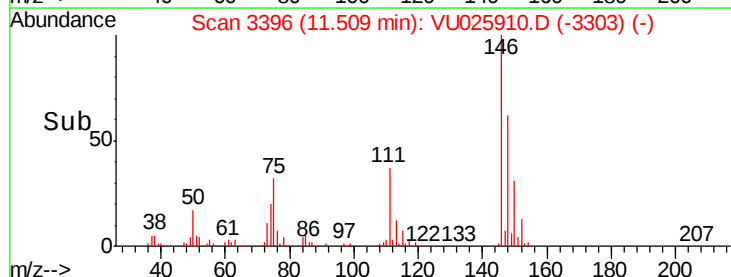
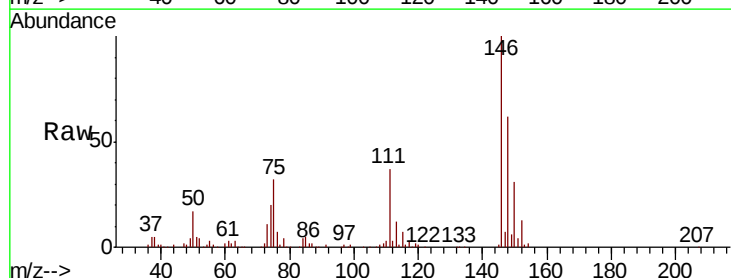
Manual Integrations
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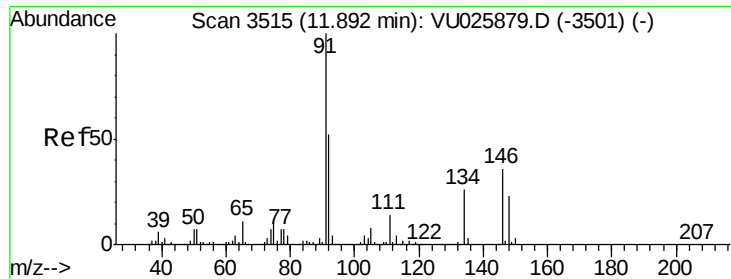
MMDadoda
 8/20/2018 5:45:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.19 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.1
148	64.2	31.7	95.1





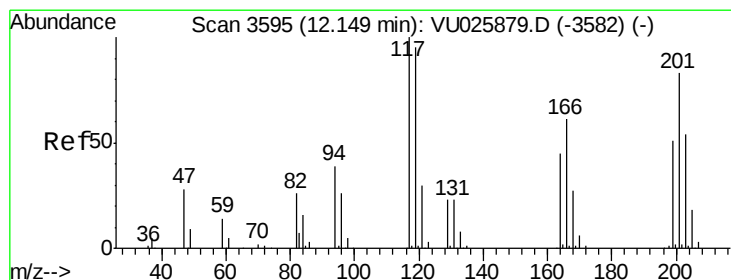
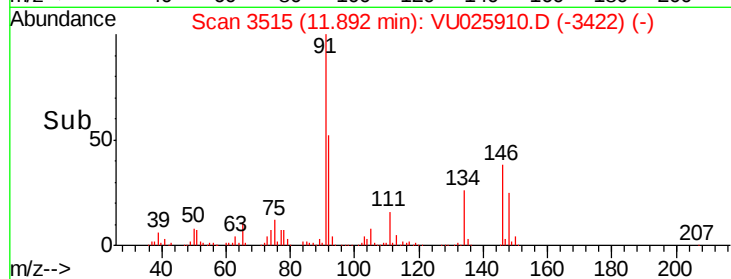
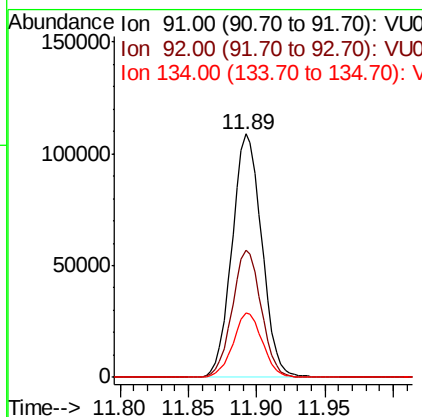
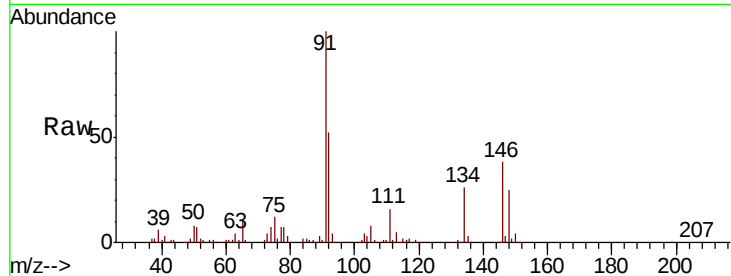
#89
n-Butylbenzene
Concen: 18.59 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.9	26.5	79.5	
134	26.0	13.6	40.7	

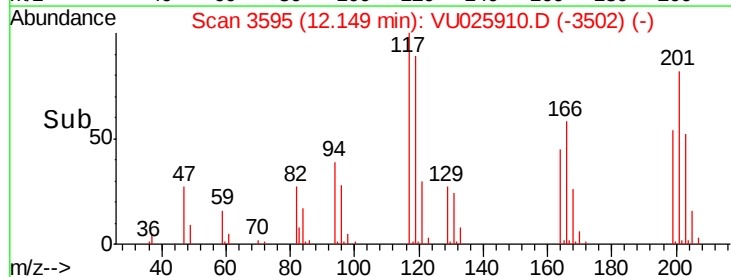
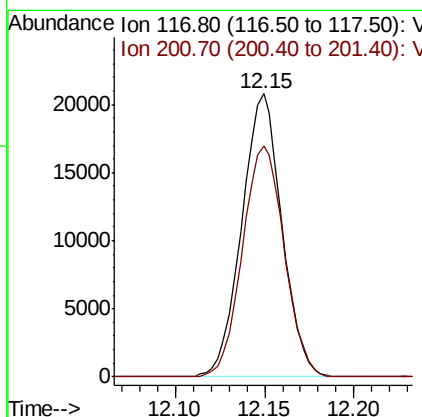
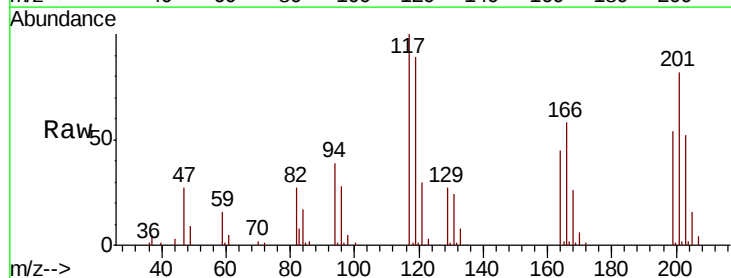
Manual Integrations
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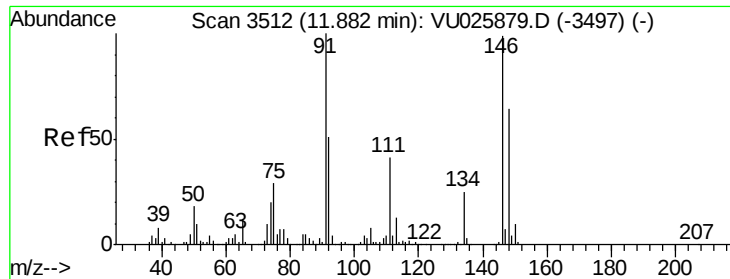
MMDadoda
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#90
Hexachloroethane
Concen: 19.14 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025910.D
Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.7	42.5	127.6	





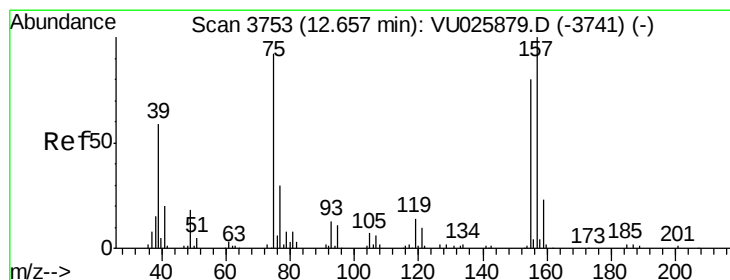
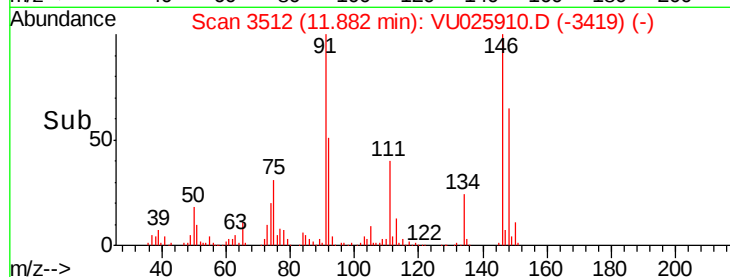
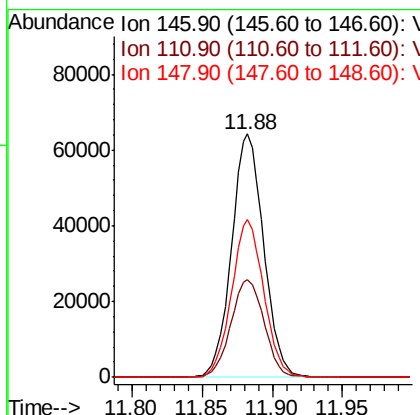
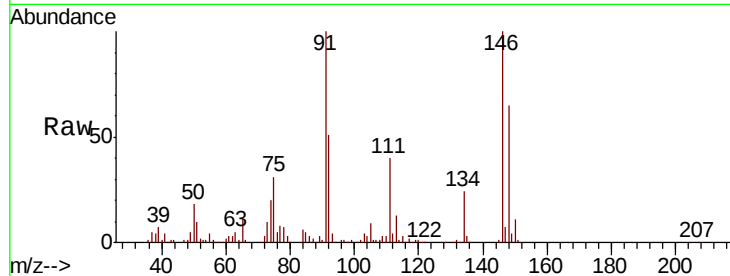
#91
 1,2-Dichlorobenzene
 Concen: 19.58 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.8
148	64.7	31.5	94.5

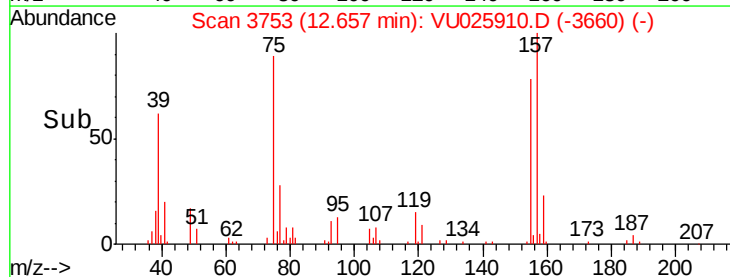
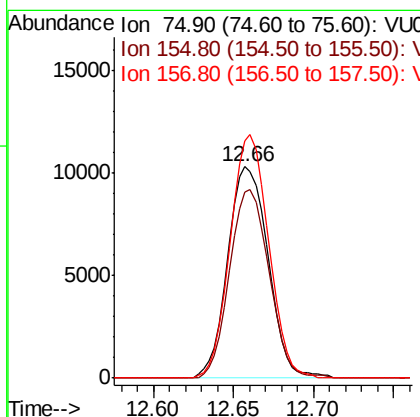
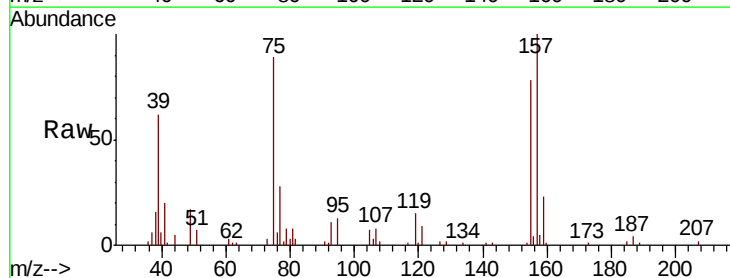
Manual Integrations
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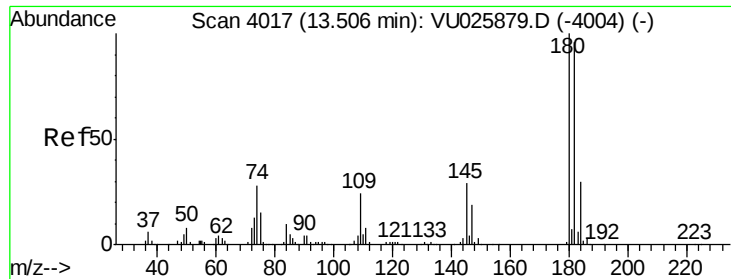
MMDadoda
 8/20/2018 5:45:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.80 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	44.5	133.3
157	108.7	57.0	170.8





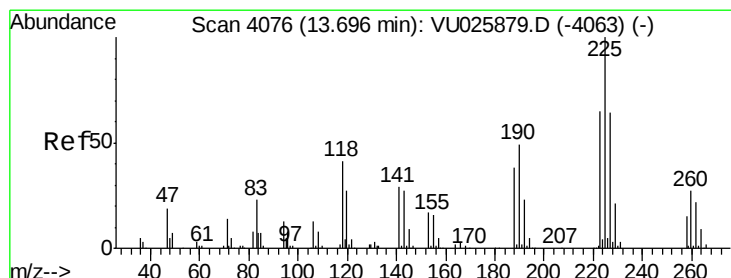
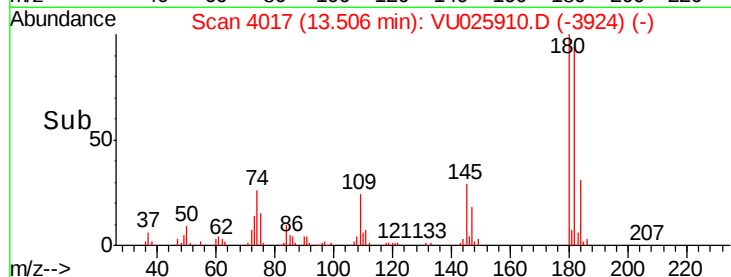
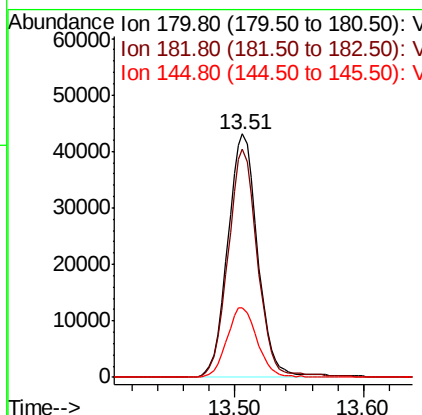
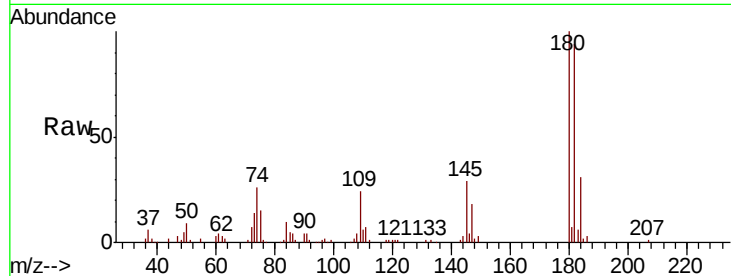
#93
 1,2,4-Trichlorobenzene
 Concen: 19.65 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	28.9	14.9	44.7

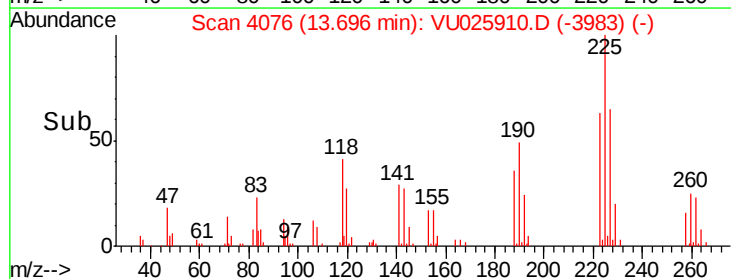
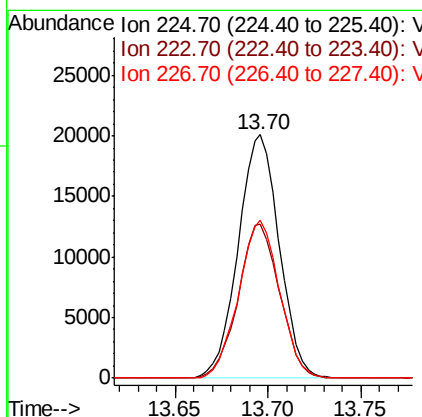
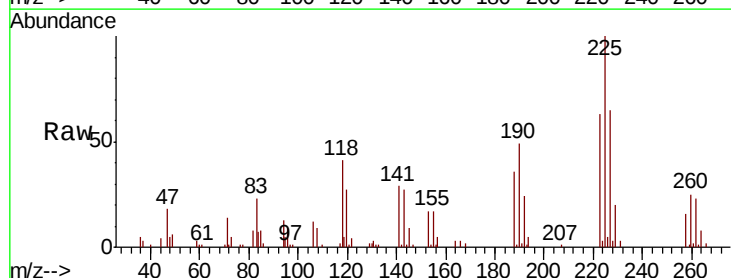
Manual Integrations
 APPROVED

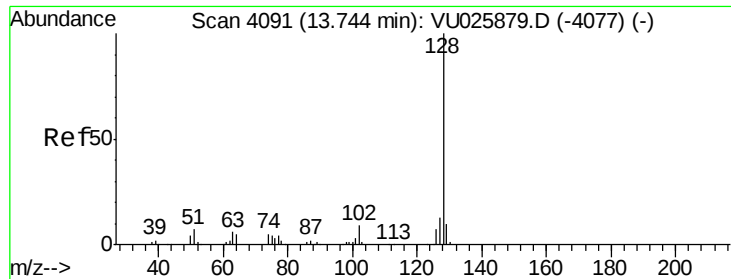
MMDadoda
 8/20/2018 5:45:34 PM



#94
 Hexachlorobutadiene
 Concen: 16.56 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025910.D
 Acq: 07 Aug 2018 01:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	64.5	32.3	96.9





#95

Naphthalene

Concen: 18.59 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Instrument :

MSVOA_U

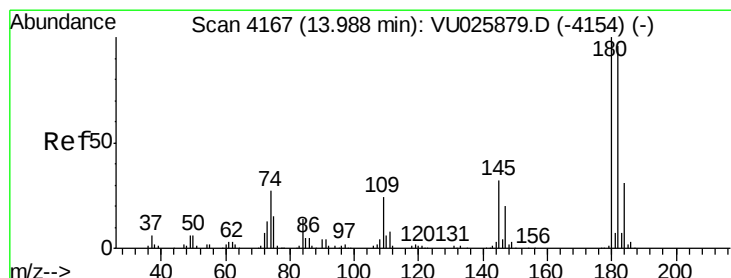
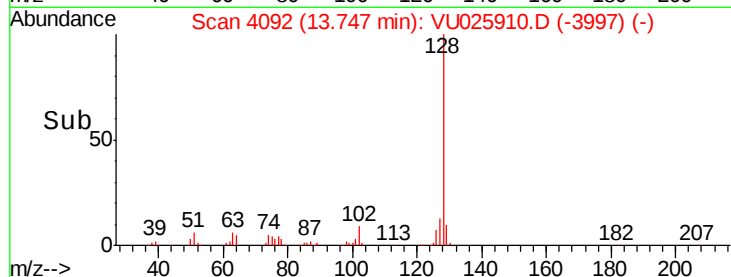
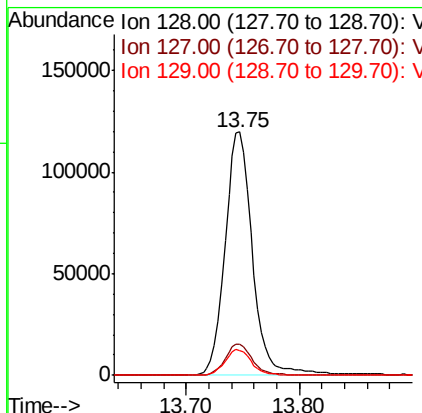
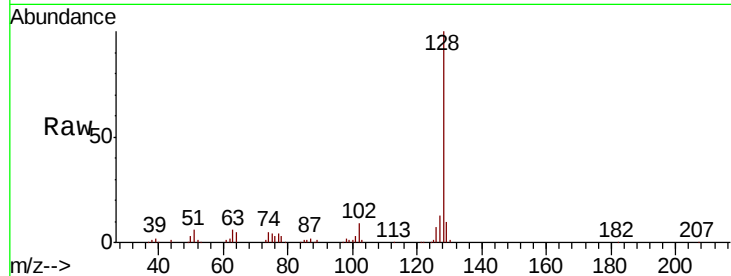
ClientSampleId :

VU0806WBSD02

Tot Ion:	128	Resp:	201843
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.3	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/20/2018 5:45:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.44 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025910.D

Acq: 07 Aug 2018 01:30

Tgt Ion:	180	Resp:	68508
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.8	143.3
145	30.8	15.6	46.8

