

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025909.D
 Acq On : 07 Aug 2018 01:07
 Operator : MD/SY
 Sample : VN0806WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 5:45:33 PM

Quant Time: Aug 07 04:53:29 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	163671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252757	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134276	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	4.89	113	109696	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	7.57	98	383626	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	10.31	95	147284	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	39497	15.97	ug/l	100
3) Chloromethane	1.33	50	39633	16.76	ug/l	97
4) Vinyl Chloride	1.40	62	41578	18.69	ug/l	99
5) Bromomethane	1.63	94	23189	21.34	ug/l	98
6) Chloroethane	1.70	64	25937	19.94	ug/l	99
7) Trichlorofluoromethane	1.89	101	64356	20.00	ug/l	99
8) Diethyl Ether	2.10	74	22926	19.70	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36526	19.62	ug/l	99
10) Methyl Iodide	2.41	142	21187	18.70	ug/l	97
11) Tert butyl alcohol	2.83	59	60546	108.44	ug/l	98
12) 1,1-Dichloroethene	2.28	96	35109	19.98	ug/l	94
13) Acrolein	2.19	56	32580	160.40	ug/l	99
14) Allyl chloride	2.59	41	61043	19.33	ug/l	99
15) Acrylonitrile	2.94	53	123491	110.78	ug/l	99
16) Acetone	2.32	43	141973	114.19	ug/l	98
17) Carbon Disulfide	2.48	76	111942	19.68	ug/l	98
18) Methyl Acetate	2.62	43	57135	19.09	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	134682	21.15	ug/l	98
20) Methylene Chloride	2.70	84	44483	20.19	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41344	20.35	ug/l	98
22) Diisopropyl ether	3.58	45	135296	21.74	ug/l	94
23) Vinyl Acetate	3.53	43	585718	108.00	ug/l	99
24) 1,1-Dichloroethane	3.45	63	79200	21.20	ug/l	99
25) 2-Butanone	4.27	43	221502	130.87	ug/l	100
26) 2,2-Dichloropropane	4.23	77	50855	14.98	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	46924	20.49	ug/l	97
28) Bromochloromethane	4.55	49	36236	21.69	ug/l	100
29) Tetrahydrofuran	4.64	42	112769	111.21	ug/l	98
30) Chloroform	4.68	83	82582	20.94	ug/l	100
31) Cyclohexane	5.00	56	68515	20.28	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	74655	21.03	ug/l	97
36) 1,1-Dichloropropene	5.14	75	60351	20.43	ug/l	99
37) Ethyl Acetate	4.38	43	67654	22.09	ug/l	99
38) Carbon Tetrachloride	5.14	117	67784	20.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66611	19.68	ug/l	98
40) Benzene	5.39	78	170834	19.79	ug/l	98
41) Methacrylonitrile	4.55	41	34773	20.44	ug/l	97
42) 1,2-Dichloroethane	5.41	62	67931	20.43	ug/l	99
43) Isopropyl Acetate	5.55	43	105647	20.87	ug/l	100
44) Trichloroethene	6.19	130	49108	20.42	ug/l	99
45) 1,2-Dichloropropane	6.44	63	45398	20.16	ug/l	98
46) Dibromomethane	6.56	93	32945	20.19	ug/l	100
47) Bromodichloromethane	6.76	83	63152	20.29	ug/l	98
48) Methyl methacrylate	6.63	41	51688	20.84	ug/l	98
49) 1,4-Dioxane	6.62	88	25125	416.21	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	420851	132.81	ug/l	99
52) Toluene	7.64	92	107806	20.10	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	68419	19.58	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	69691	19.41	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	45351	20.34	ug/l	97
56) Ethyl methacrylate	8.02	69	64840	20.36	ug/l	99
57) 1,3-Dichloropropane	8.25	76	77049	20.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	121179	88.72	ug/l	100
59) 2-Hexanone	8.36	43	320857	129.18	ug/l	99
60) Dibromochloromethane	8.48	129	52977	20.15	ug/l	100
61) 1,2-Dibromoethane	8.59	107	51118	20.62	ug/l	98
64) Tetrachloroethene	8.23	164	45701	21.36	ug/l	93
65) Chlorobenzene	9.12	112	128014	20.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	46856	20.67	ug/l	99
67) Ethyl Benzene	9.25	91	211620	20.38	ug/l	100
68) m/p-Xylenes	9.38	106	167671	42.07	ug/l	99
69) o-Xylene	9.78	106	79759	20.47	ug/l	99
70) Styrene	9.80	104	129266	20.54	ug/l	99
71) Bromoform	9.96	173	39698	20.19	ug/l #	97
73) Isopropylbenzene	10.17	105	216922	20.95	ug/l	99
74) N-amyl acetate	10.02	43	89078	21.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73928	20.64	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	64984m	19.44	ug/l	
77) Bromobenzene	10.45	156	57482	20.12	ug/l	98
78) n-propylbenzene	10.59	91	248607	20.57	ug/l	99
79) 2-Chlorotoluene	10.66	91	150707	21.29	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	184210	20.94	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	21938m	16.45	ug/l	
82) 4-Chlorotoluene	10.78	91	175735	21.06	ug/l	100
83) tert-Butylbenzene	11.10	119	174299	19.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	187295	21.01	ug/l	99
85) sec-Butylbenzene	11.33	105	213731	20.03	ug/l	100
86) p-Isopropyltoluene	11.48	119	192662	20.17	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	106843	20.15	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	106776	19.32	ug/l	96
89) n-Butylbenzene	11.89	91	166313	18.87	ug/l	99
90) Hexachloroethane	12.15	117	32477	19.12	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	105975	20.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18044	21.25	ug/l	96

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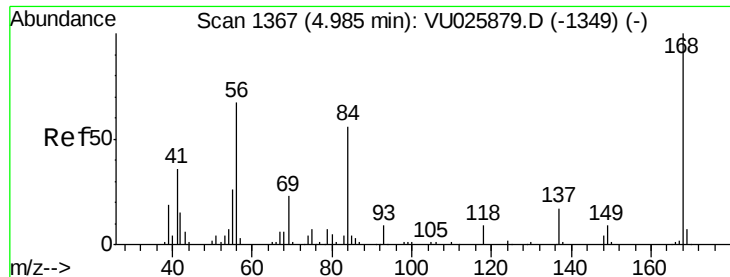
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	67690	19.30	ug/l	99
94) Hexachlorobutadiene	13.70	225	31697	17.14	ug/l	95
95) Naphthalene	13.75	128	198066	18.39	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67890	19.40	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion:168 Resp: 163671

Ion Ratio Lower Upper

168 100

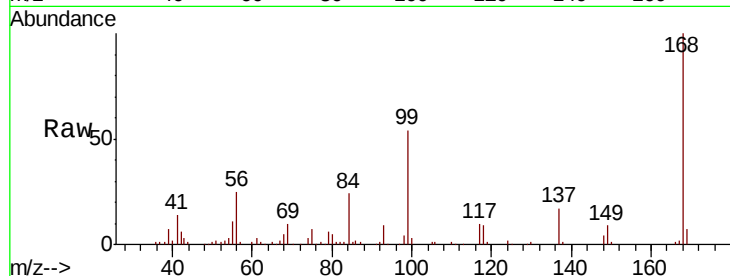
99 53.4 42.8 64.2

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): VU025879.D (-1349) (-)

4.99

80000

60000

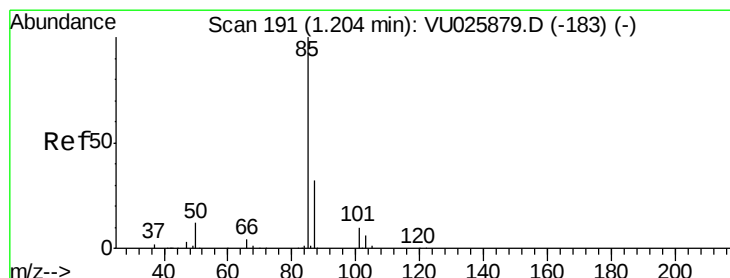
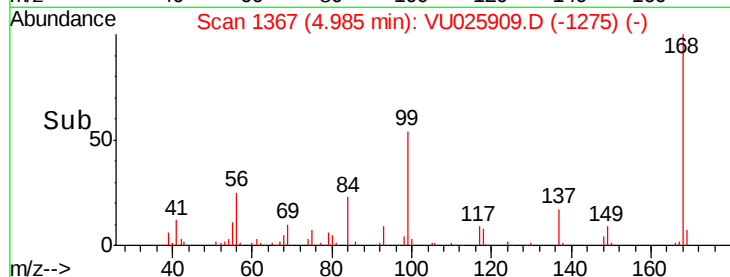
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.97 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025909.D

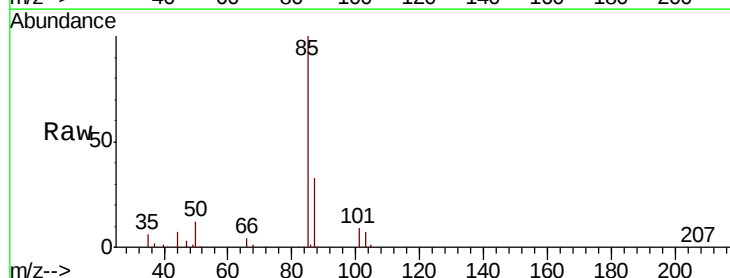
Acq: 07 Aug 2018 01:07

Tgt Ion: 85 Resp: 39497

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025879.D (-183) (-)

1.21

40000

30000

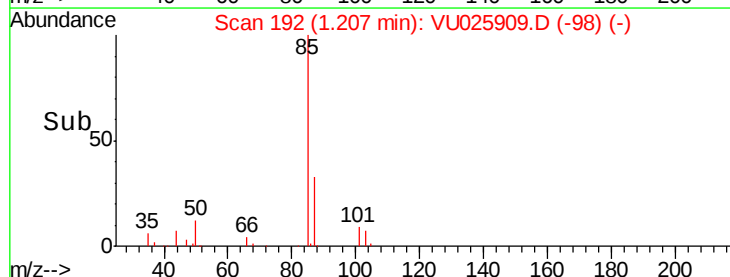
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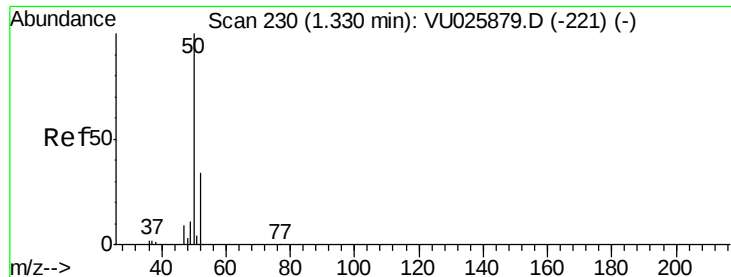
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.76 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 50 Resp: 39633

Ion Ratio Lower Upper

50 100

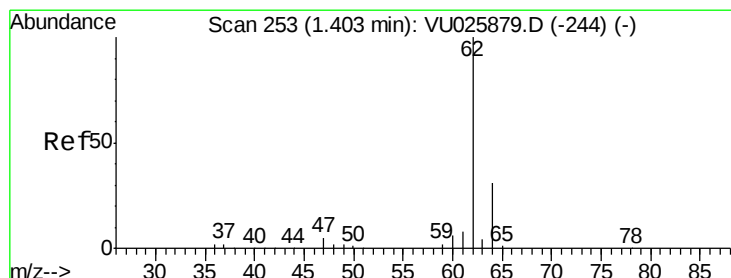
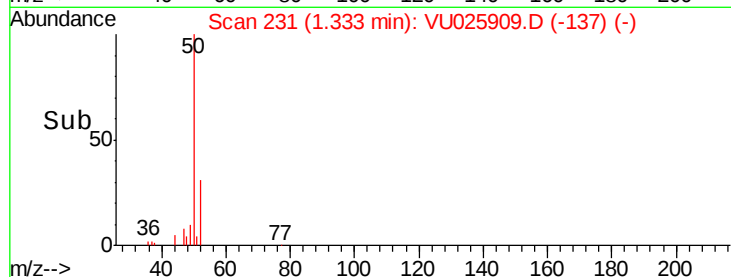
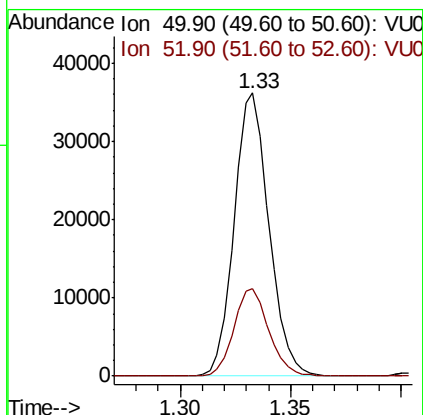
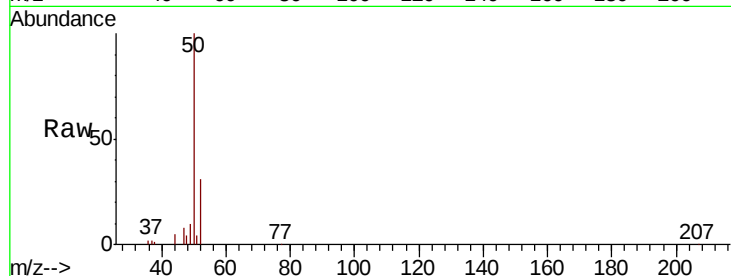
52 31.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 18.69 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025909.D

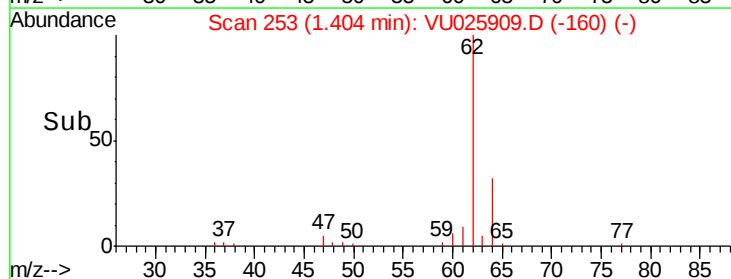
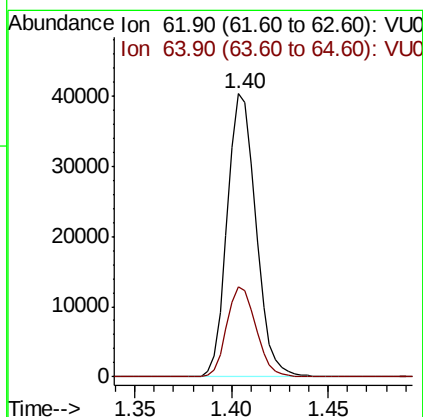
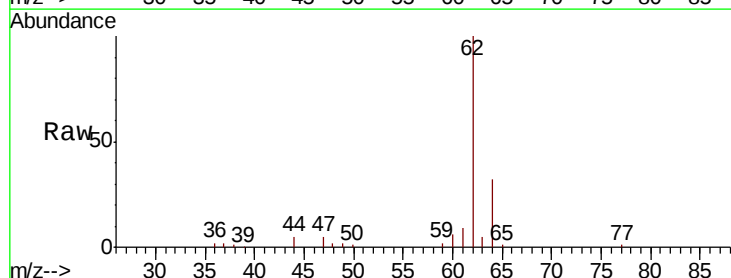
Acq: 07 Aug 2018 01:07

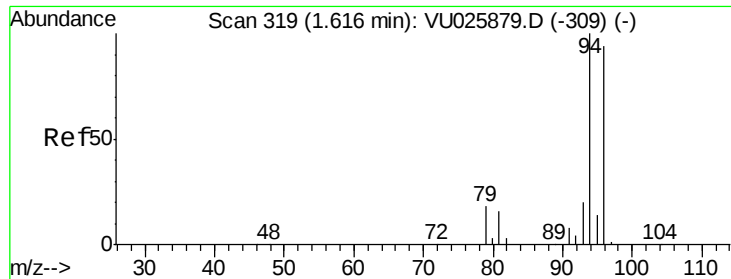
Tgt Ion: 62 Resp: 41578

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 21.34 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 94 Resp: 23189

Ion Ratio Lower Upper

94 100

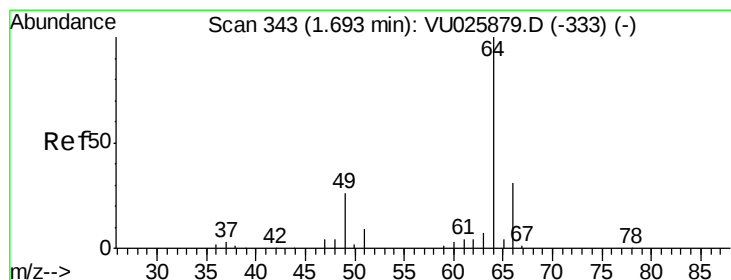
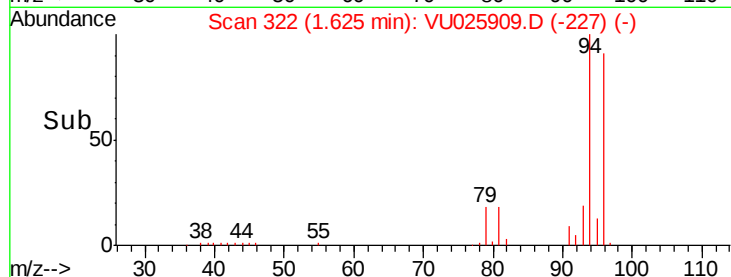
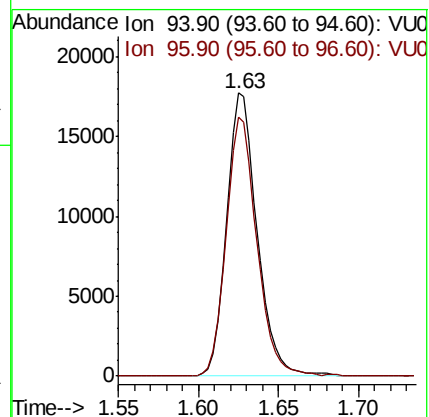
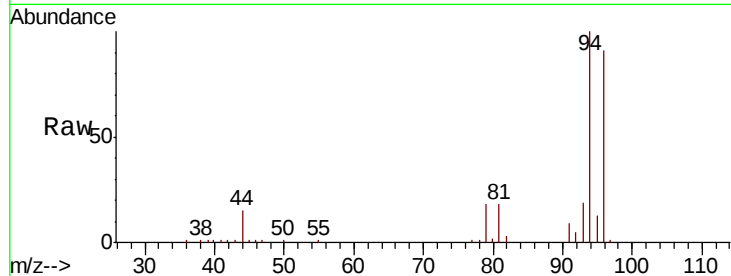
96 91.4 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.94 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025909.D

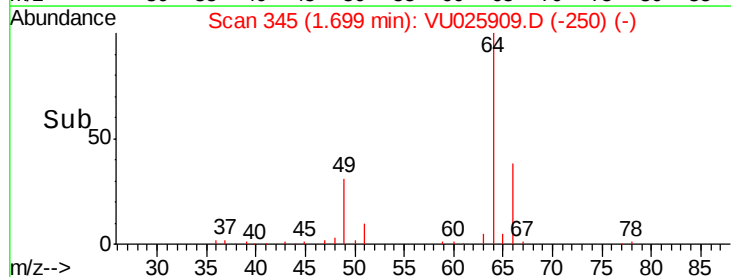
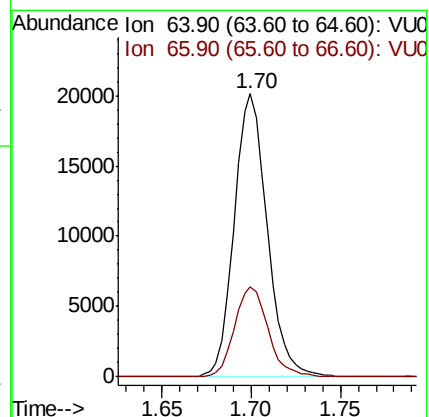
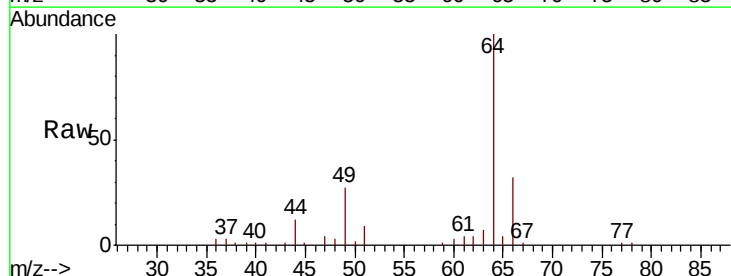
Acq: 07 Aug 2018 01:07

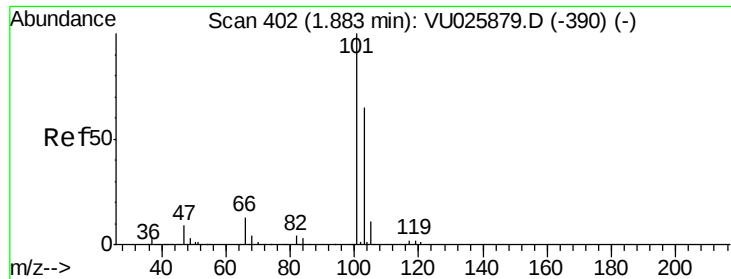
Tgt Ion: 64 Resp: 25937

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4





#7

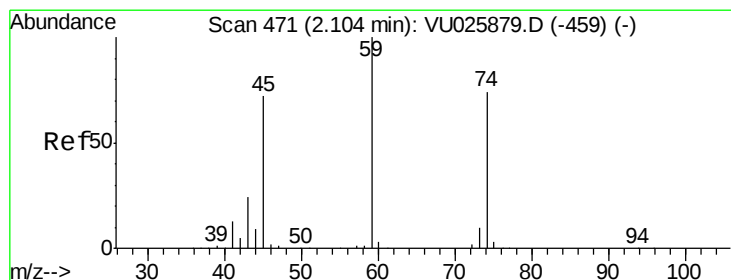
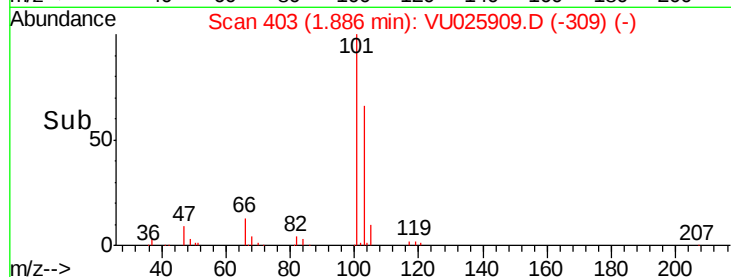
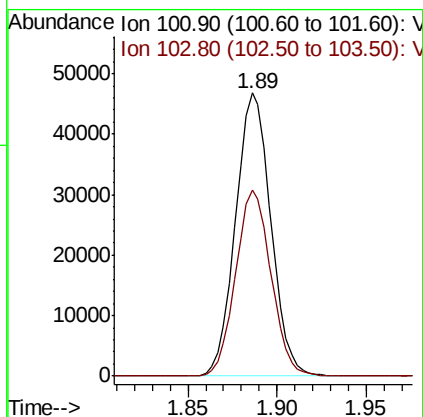
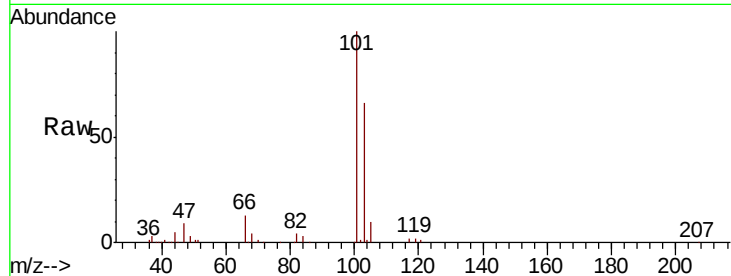
Trichlorofluoromethane
 Concen: 20.00 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
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 ClientSampleId :
 VU0806WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.2	78.2

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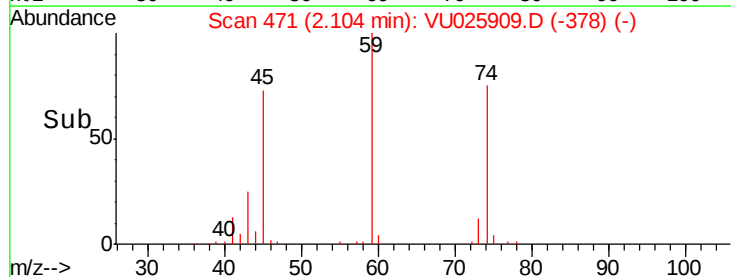
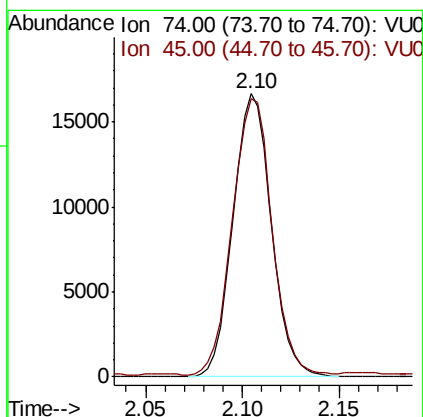
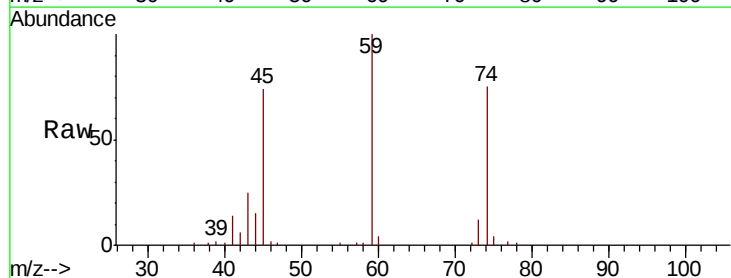
MMDadoda
 8/20/2018 5:45:33 PM

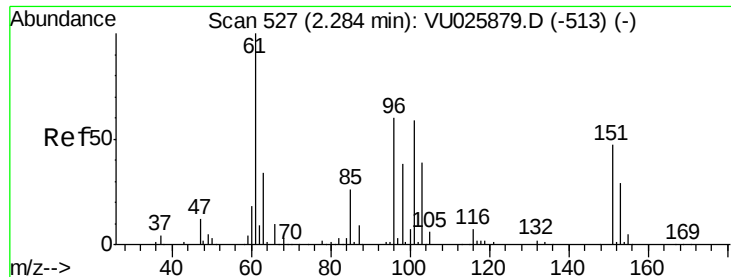


#8

Diethyl Ether
 Concen: 19.70 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.62 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

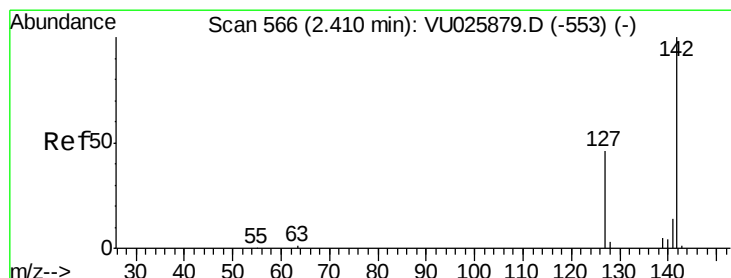
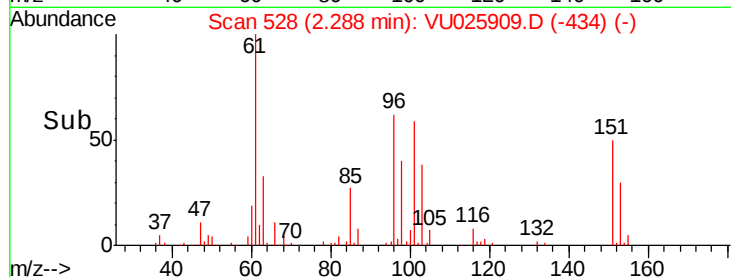
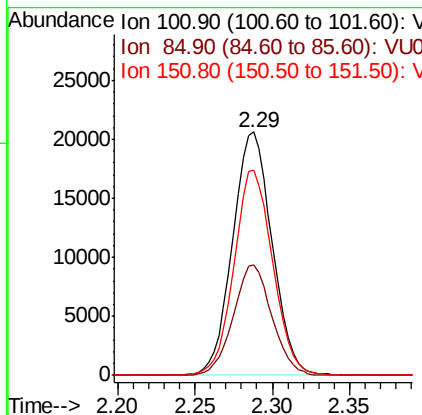
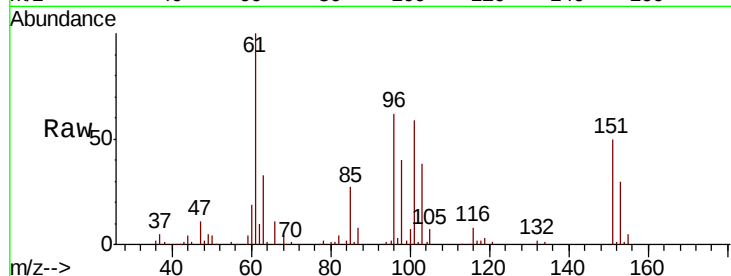
ClientSampleId :

VU0806WBS02

Tot Ion:	101	Resp:	36526
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	82.7	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.70 ug/l

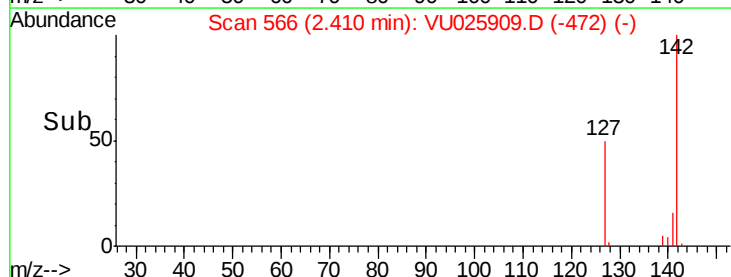
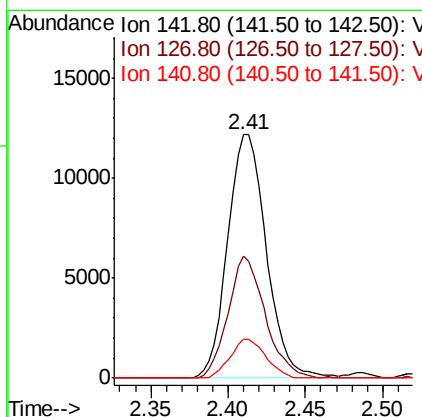
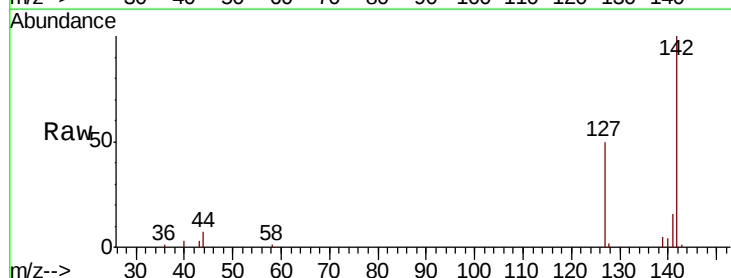
RT: 2.41 min Scan# 566

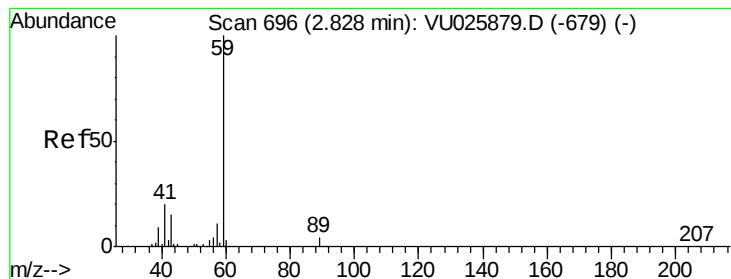
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion:	142	Resp:	21187
Ion Ratio	Lower	Upper	
142	100		
127	47.8	36.5	54.7
141	14.6	11.4	17.2





#11

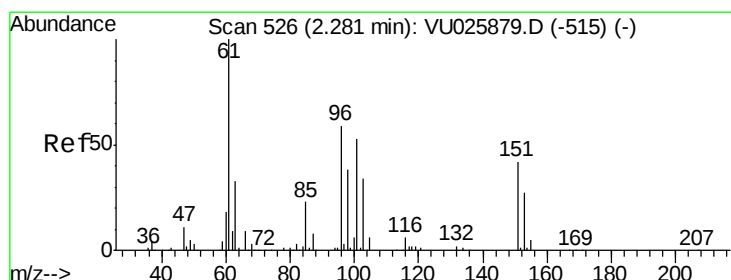
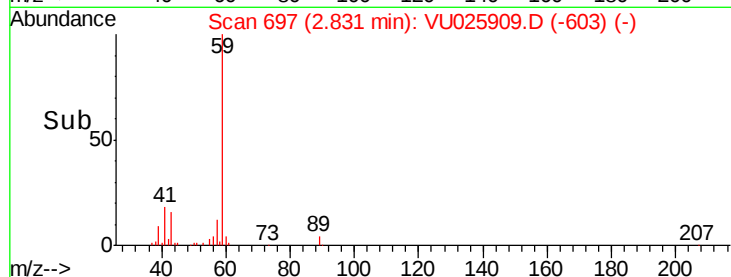
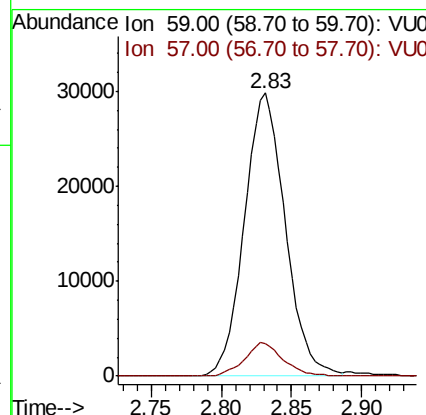
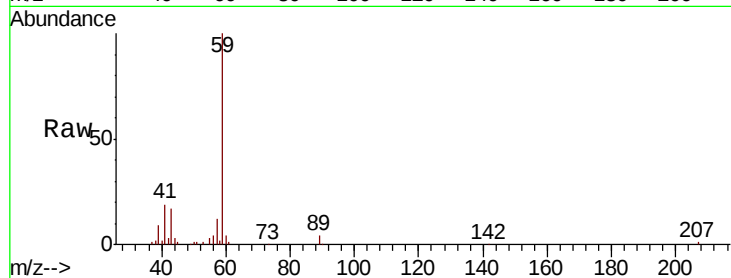
Tert butyl alcohol
 Concen: 108.44 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	60546		
57	57	11.0		8.2	12.2

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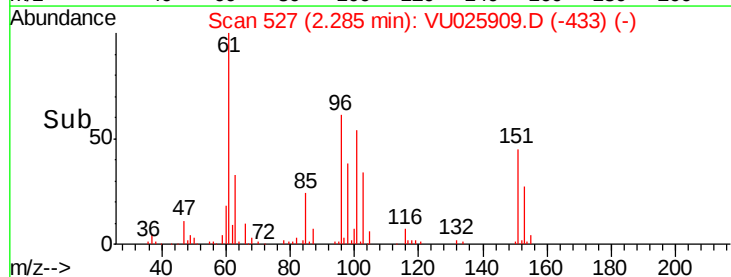
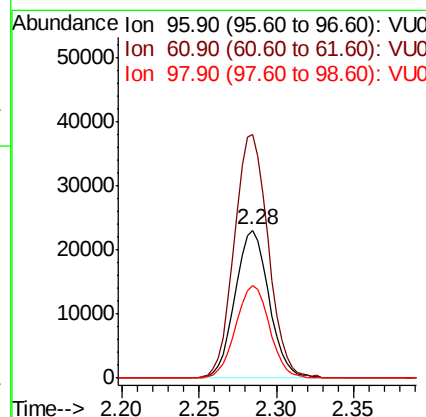
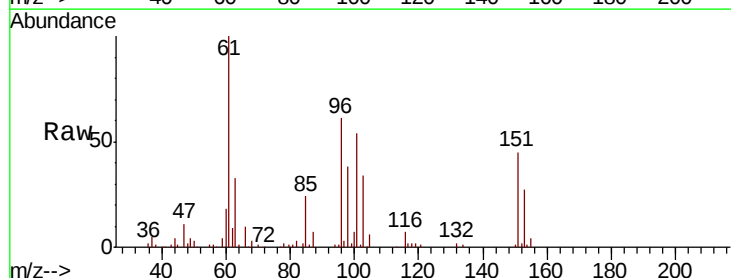
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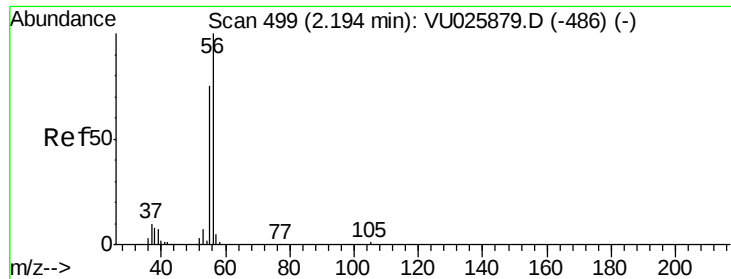


#12

1,1-Dichloroethene
 Concen: 19.98 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	35109		
61	61	164.6		140.2	210.4
98	98	62.9		49.3	73.9





#13

Acrolein

Concen: 160.40 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 56 Resp: 32580

Ion Ratio Lower Upper

56 100

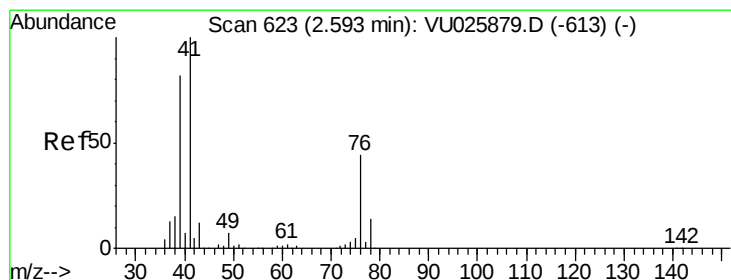
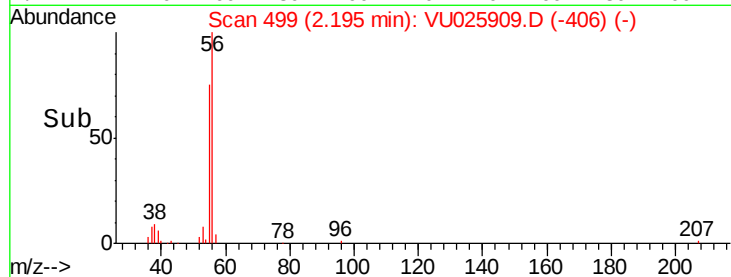
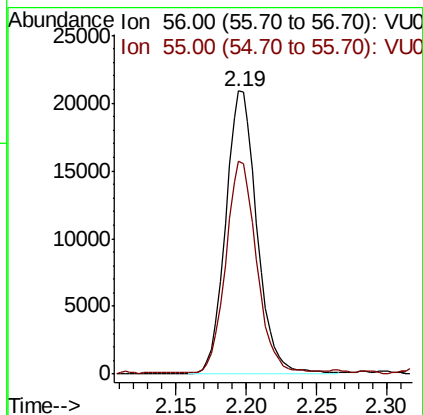
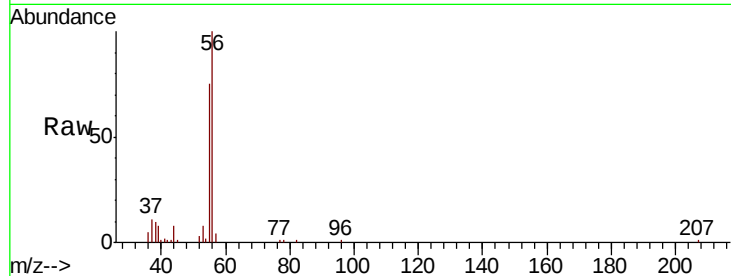
55 72.7 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.33 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

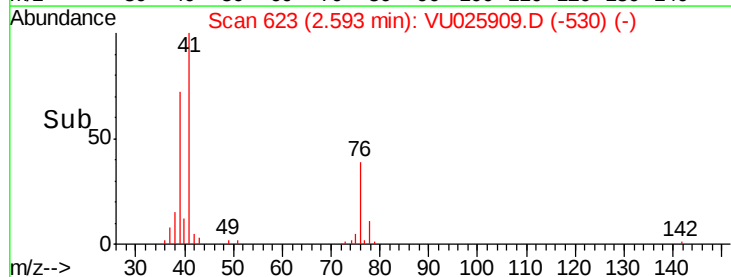
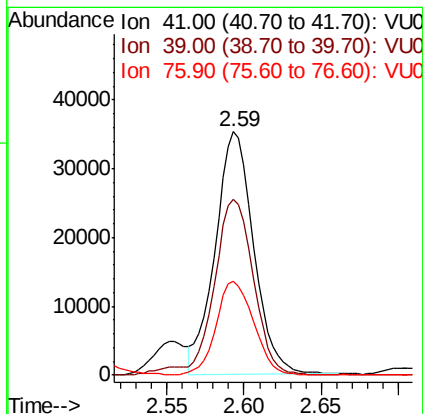
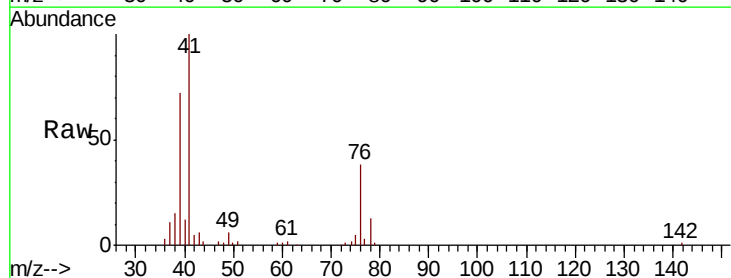
Tgt Ion: 41 Resp: 61043

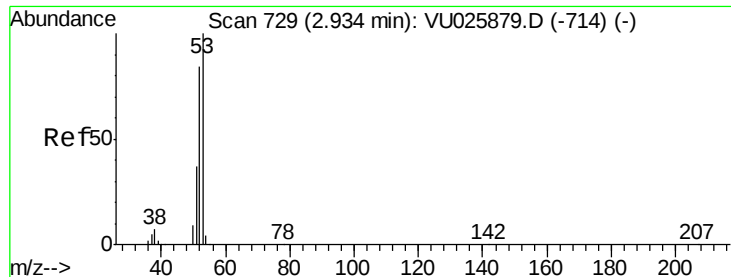
Ion Ratio Lower Upper

41 100

39 75.0 60.6 91.0

76 37.6 30.5 45.7





#15

Acrylonitrile

Concen: 110.78 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

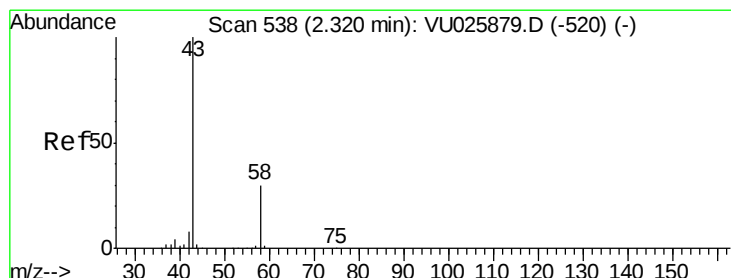
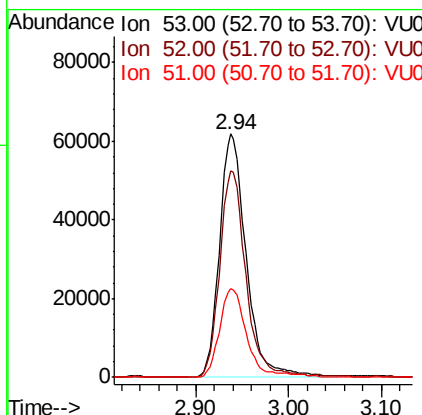
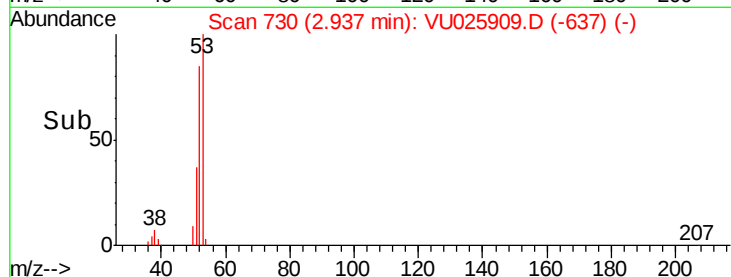
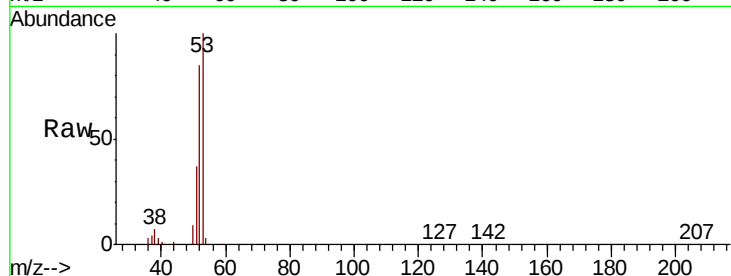
ClientSampleId :

VU0806WBS02

Tot Ion:	53	Resp:	123491
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	99.8
51	37.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 114.19 ug/l

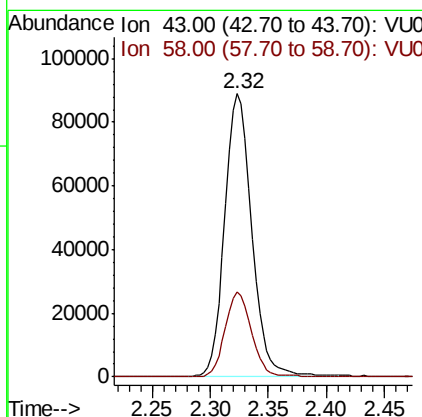
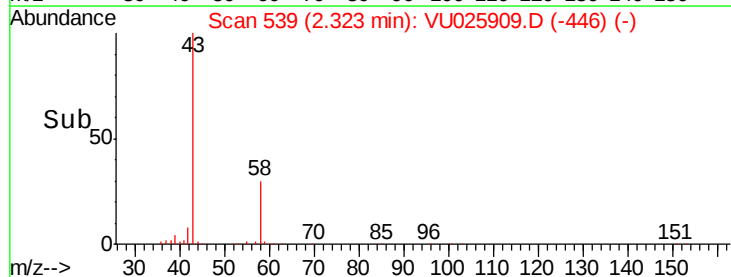
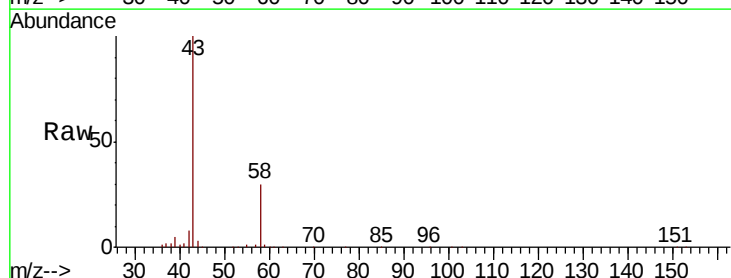
RT: 2.32 min Scan# 539

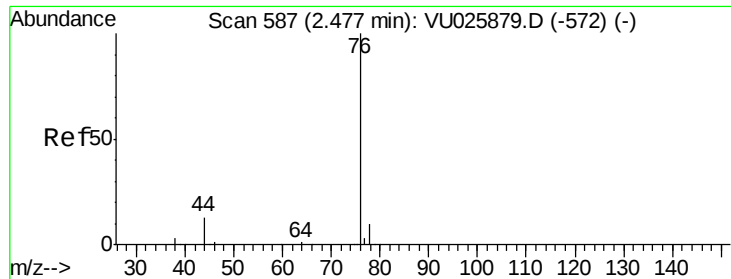
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion:	43	Resp:	141973
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.1	34.7





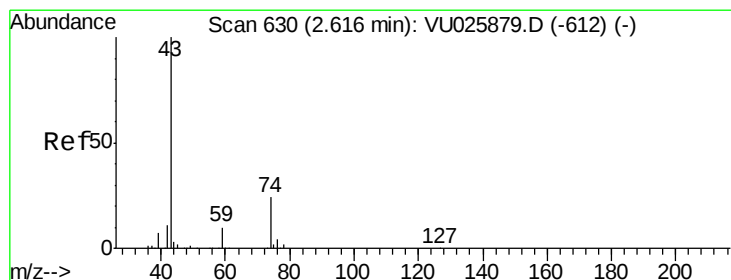
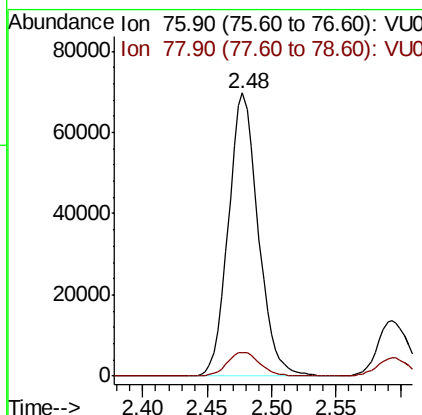
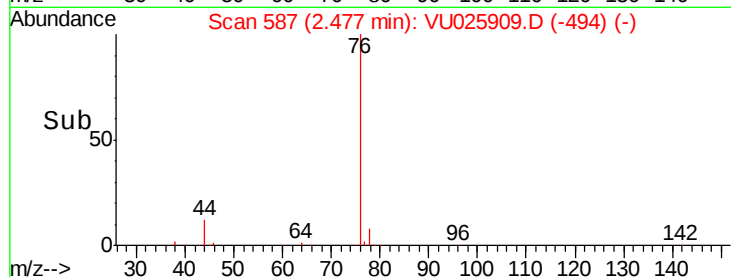
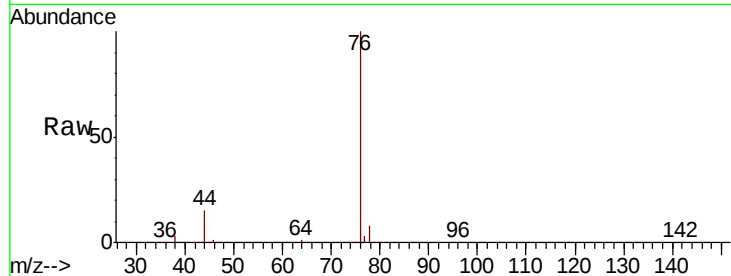
#17
Carbon Disulfide
Concen: 19.68 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

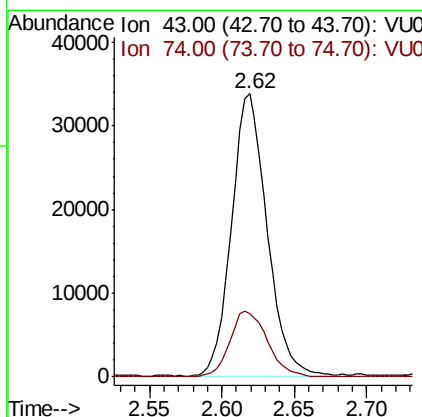
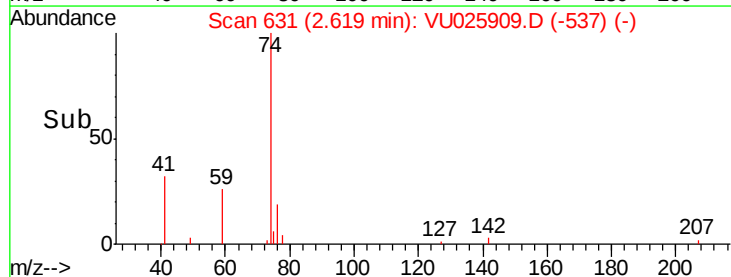
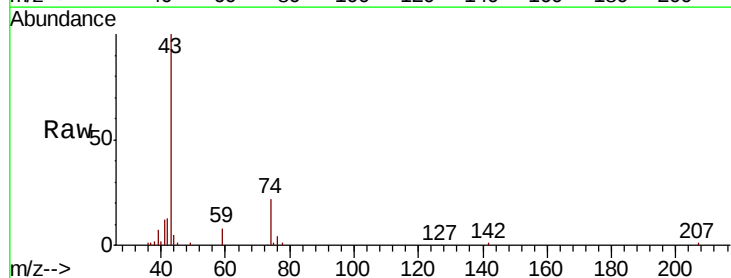
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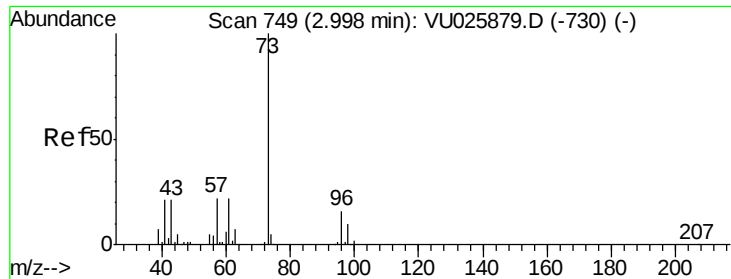
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#18
Methyl Acetate
Concen: 19.09 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.5	27.7





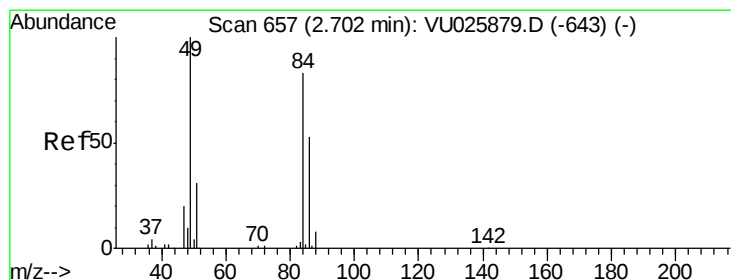
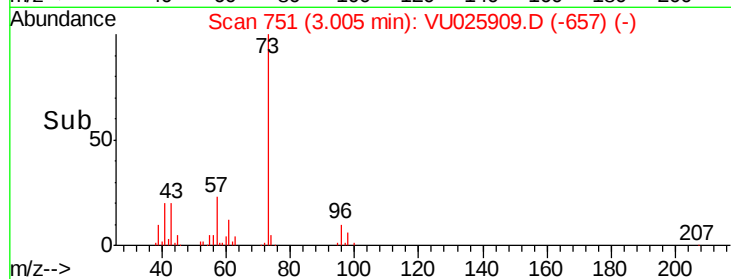
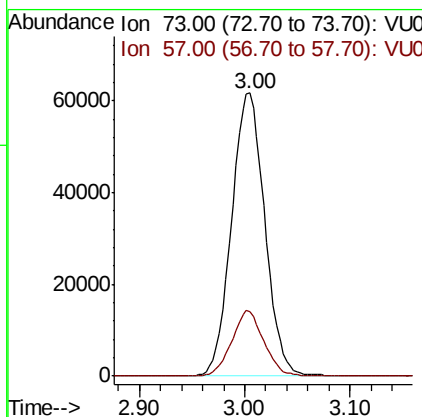
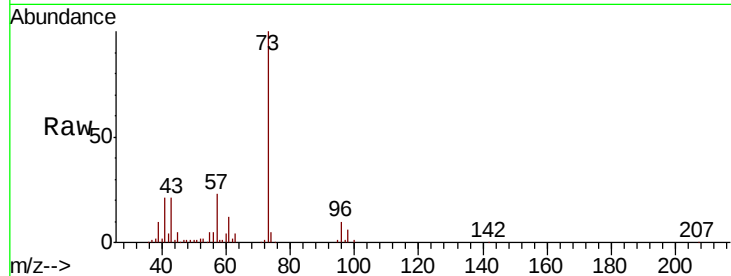
#19
Methyl tert-butyl Ether
Concen: 21.15 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion: 73 Resp: 134682
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.2

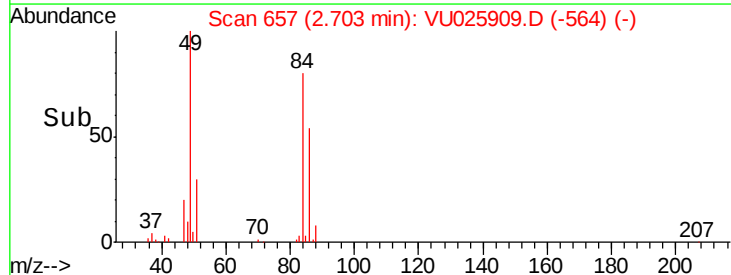
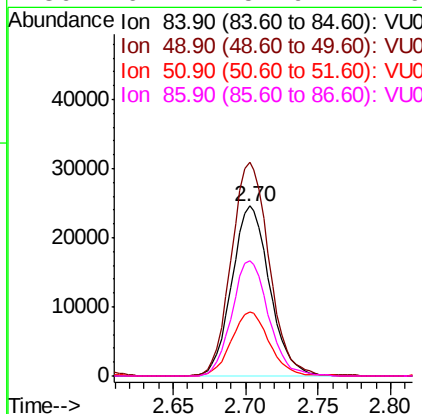
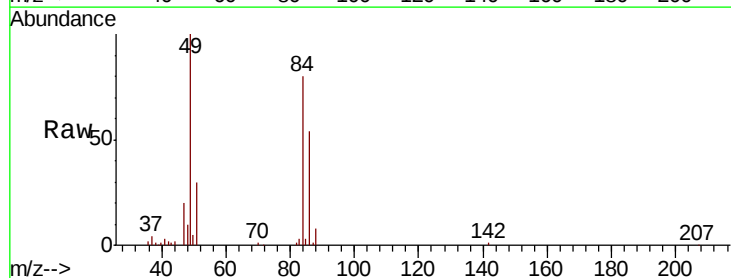
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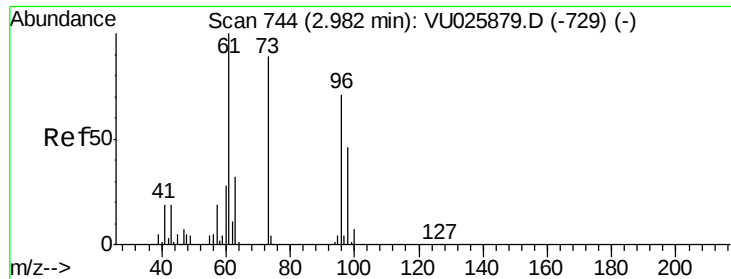
MMDadoda
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#20
Methylene Chloride
Concen: 20.19 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion: 84 Resp: 44483
Ion Ratio Lower Upper
84 100
49 125.6 101.8 152.6
51 38.0 30.8 46.2
86 67.7 51.9 77.9





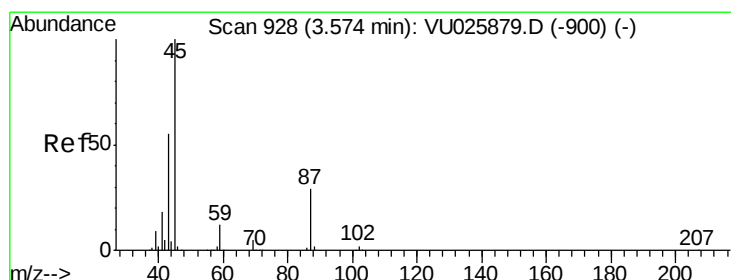
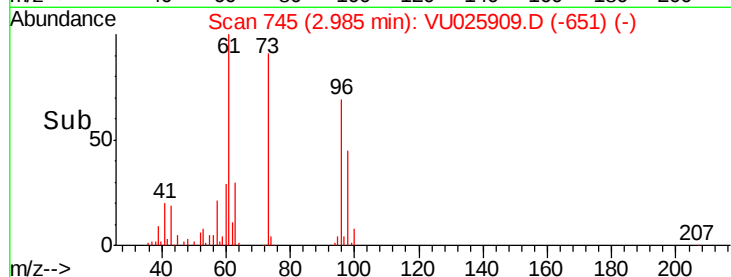
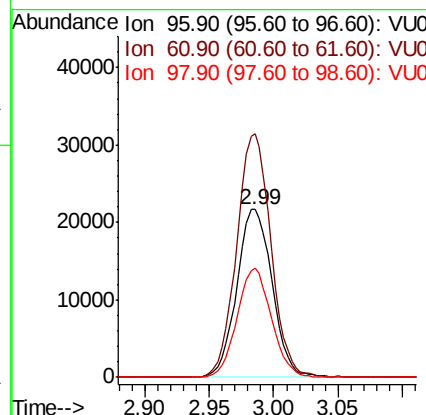
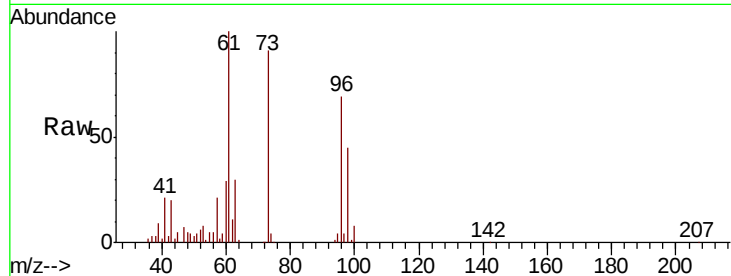
#21
trans-1,2-Dichloroethene
Concen: 20.35 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	114.5	171.7
98	65.3	50.5	75.7

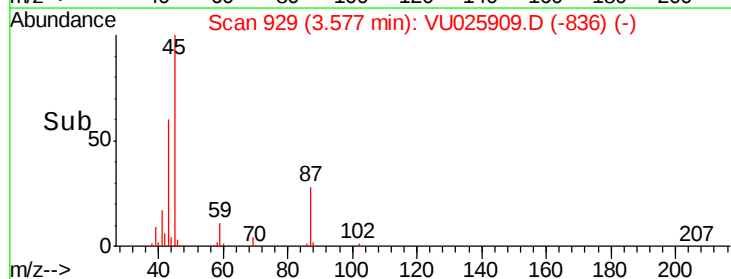
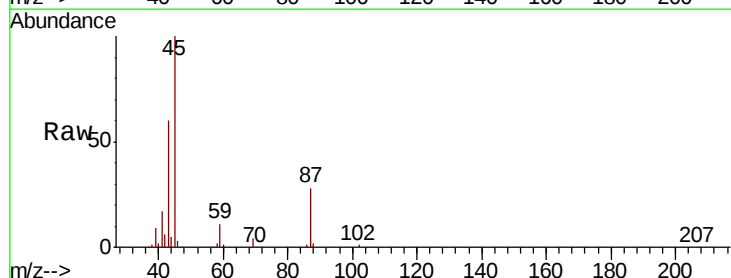
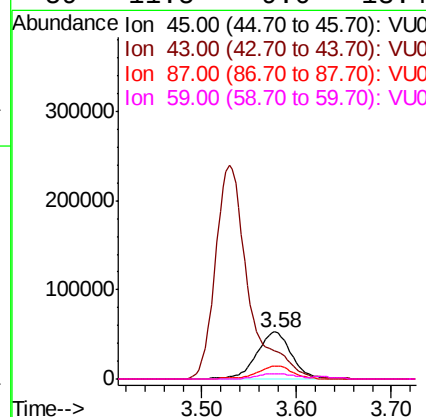
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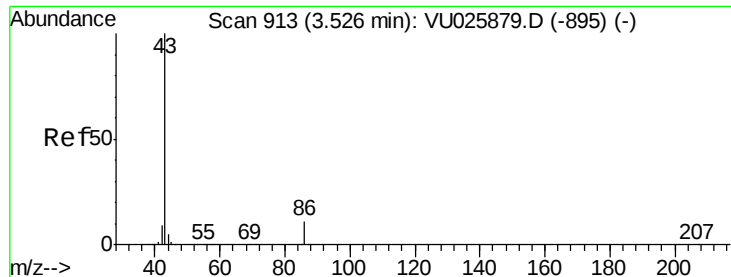
MMDadoda
8/20/2018 5:45:33 PM



#22
Diisopropyl ether
Concen: 21.74 ug/l
RT: 3.58 min Scan# 929
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	50.9	76.3
87	27.9	23.8	35.8
59	11.5	9.0	13.4





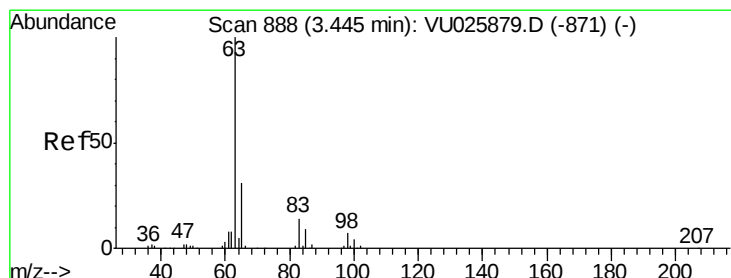
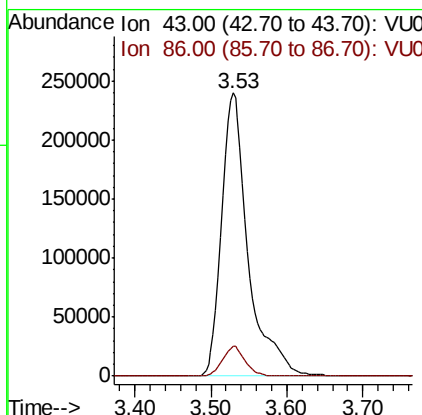
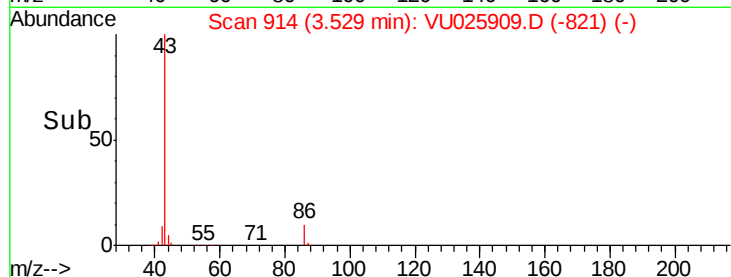
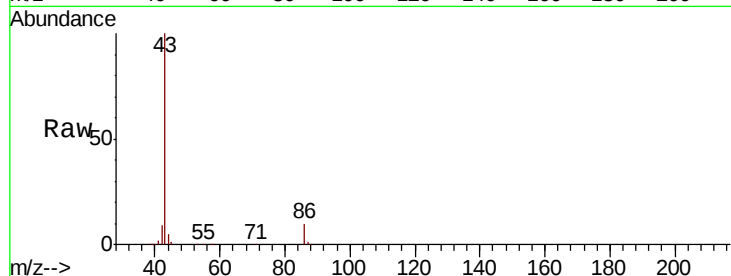
#23
 Vinyl Acetate
 Concen: 108.00 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2

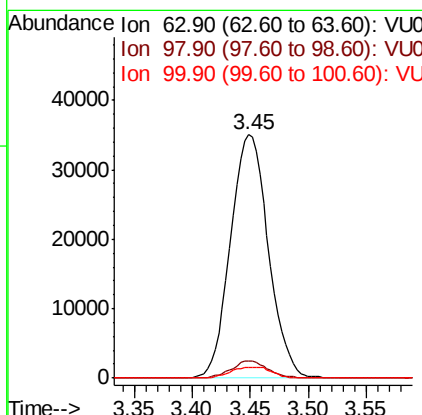
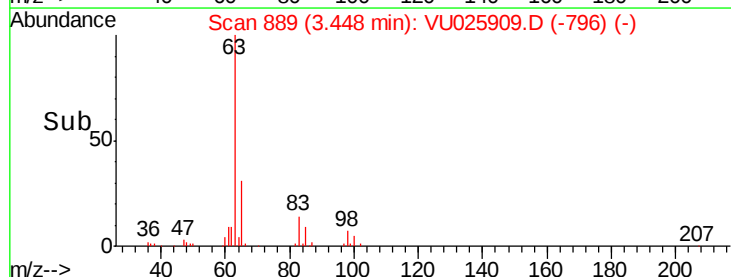
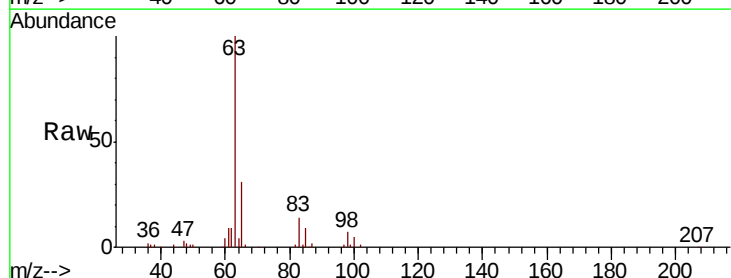
Manual Integrations
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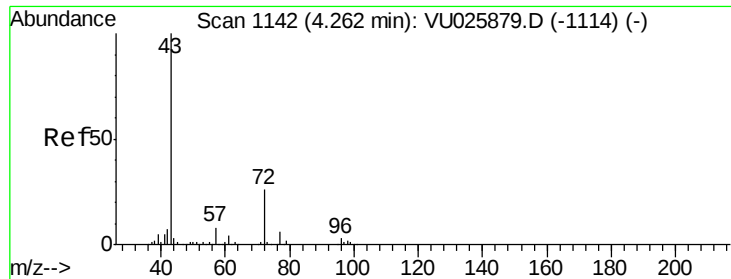
MMDadoda
 8/20/2018 5:45:33 PM



#24
 1,1-Dichloroethane
 Concen: 21.20 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.1
100	4.5	2.0	6.0





#25

2-Butanone

Concen: 130.87 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampled :

VU0806WBS02

Tot Ion: 43 Resp: 221502

Ion Ratio Lower Upper

43 100

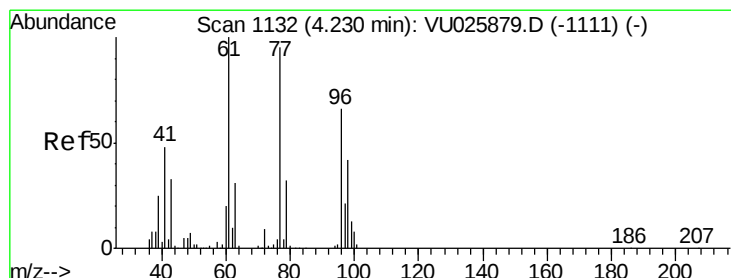
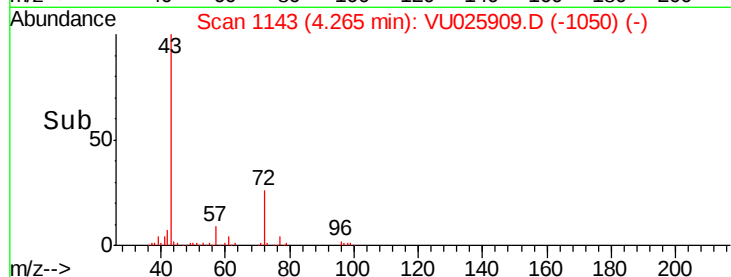
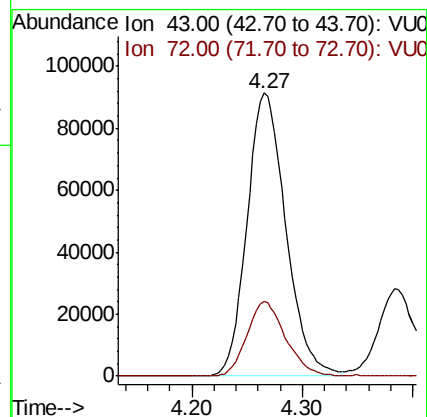
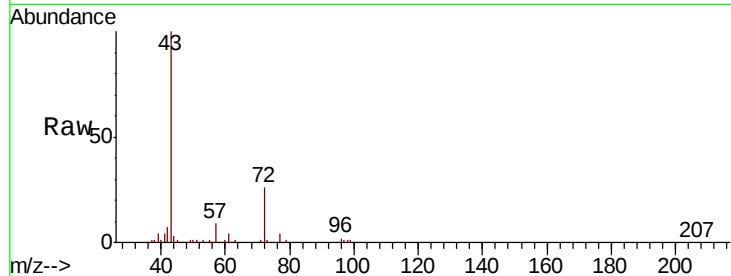
72 26.3 21.0 31.4

Manual Integrations

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8/20/2018 5:45:33 PM



#26

2,2-Dichloropropane

Concen: 14.98 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025909.D

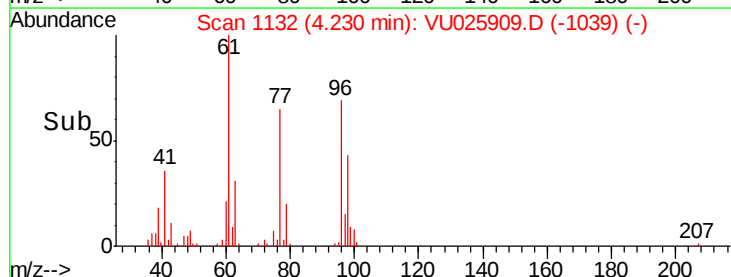
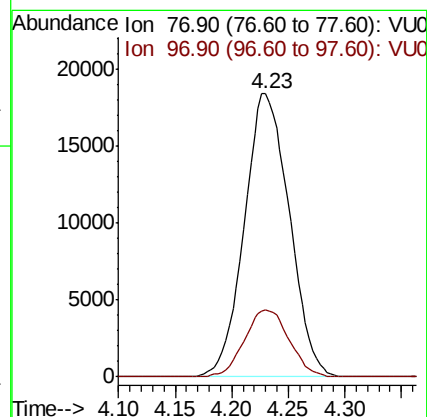
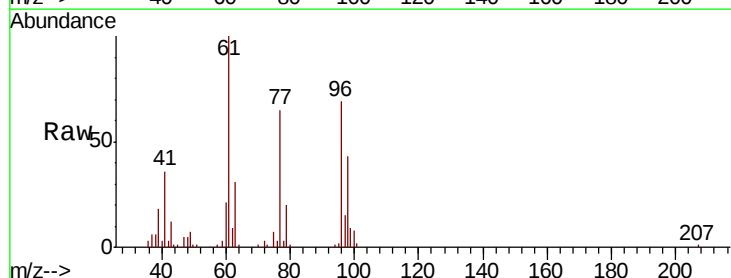
Acq: 07 Aug 2018 01:07

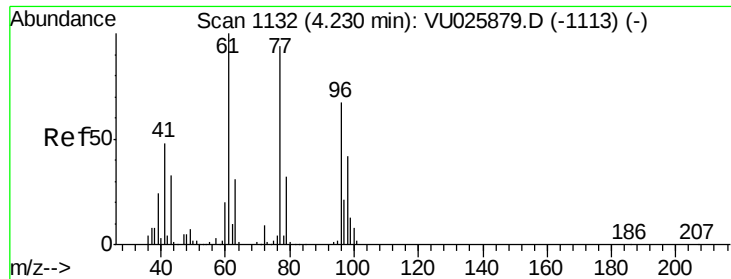
Tgt Ion: 77 Resp: 50855

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.49 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

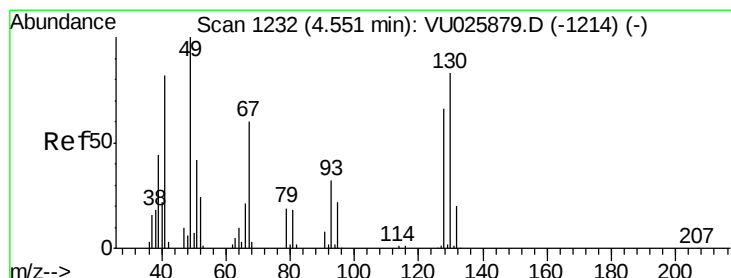
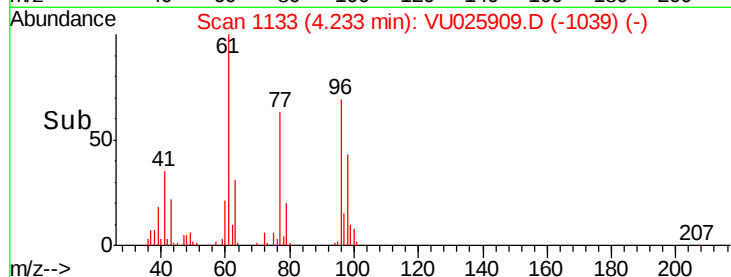
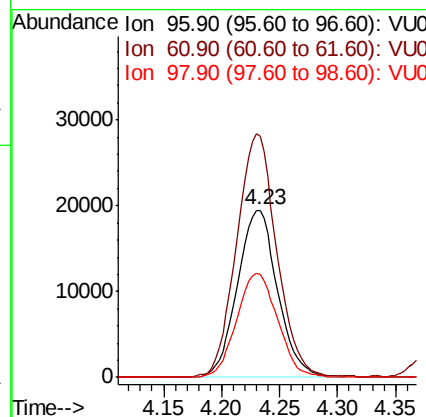
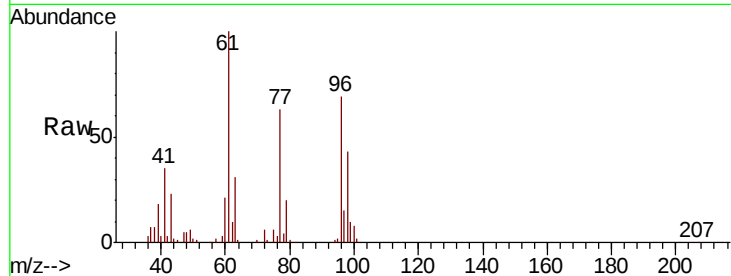
ClientSampleId :

VU0806WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	299.8
98	63.3	0.0	128.6

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#28

Bromochloromethane

Concen: 21.69 ug/l

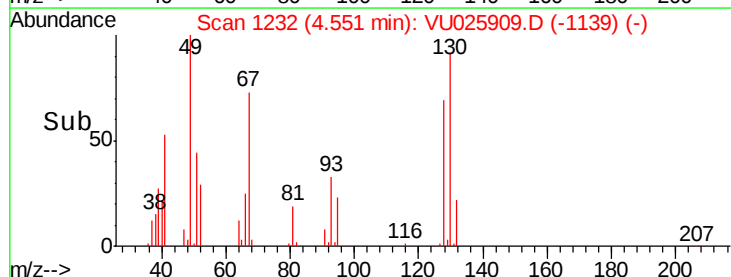
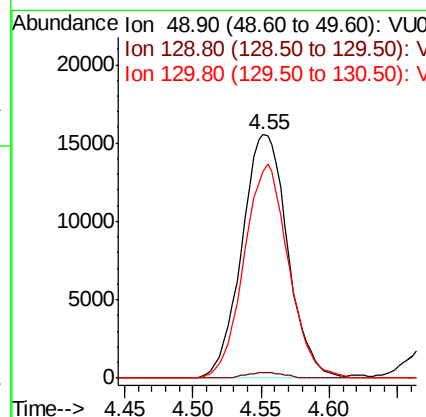
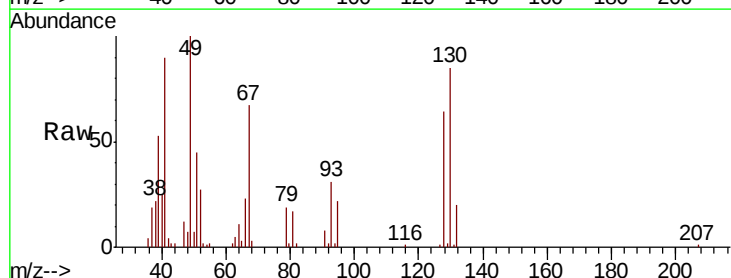
RT: 4.55 min Scan# 1232

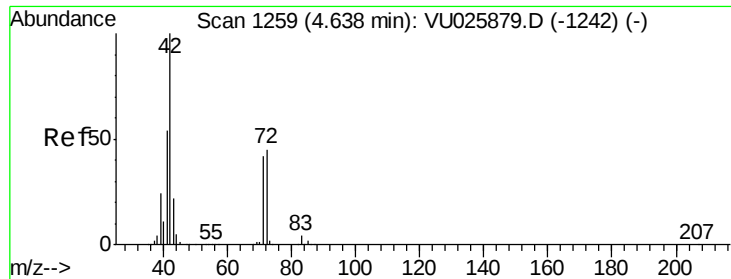
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	85.3	68.6	102.8





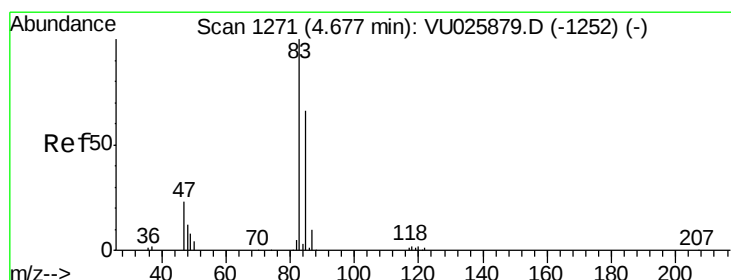
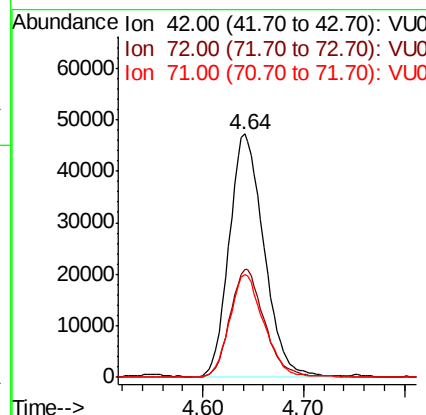
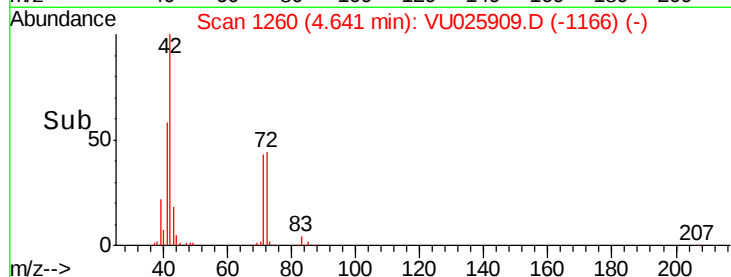
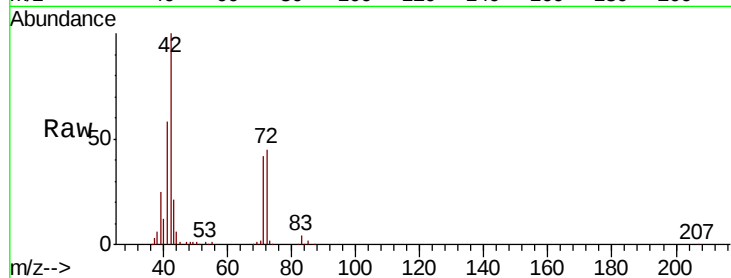
#29
Tetrahydrofuran
Concen: 111.21 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	36.7	55.1
71	41.8	33.9	50.9

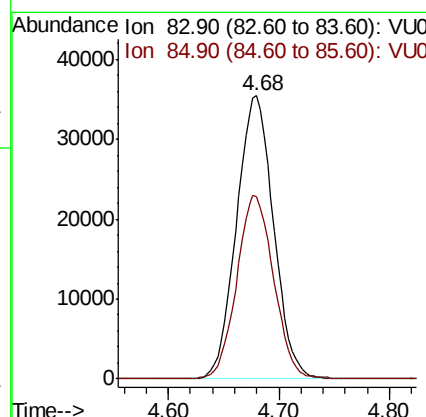
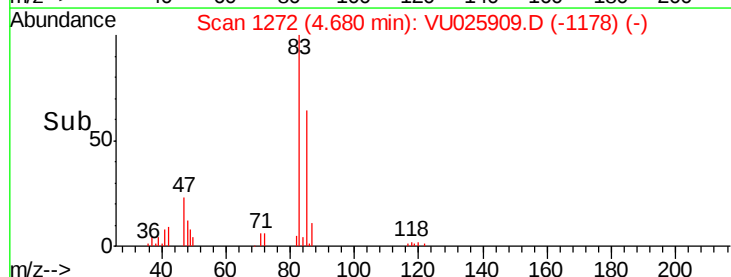
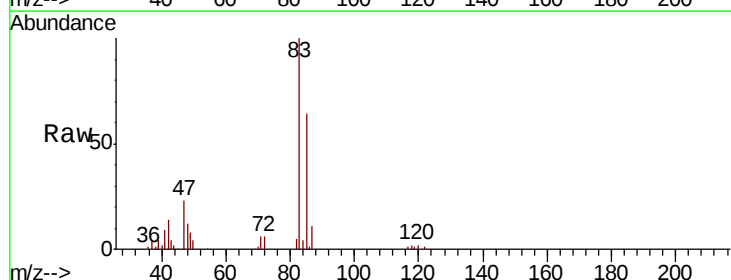
Manual Integrations
APPROVED

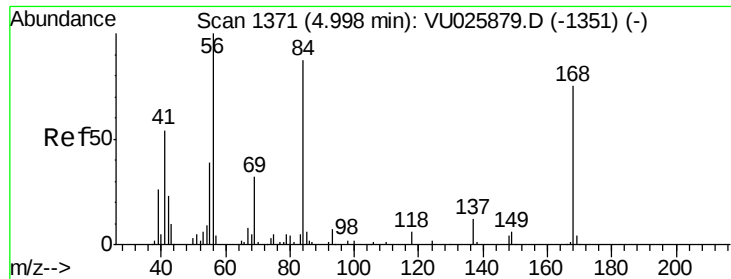
MMDadoda
8/20/2018 5:45:33 PM



#30
Chloroform
Concen: 20.94 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





#31

Cyclohexane

Concen: 20.28 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

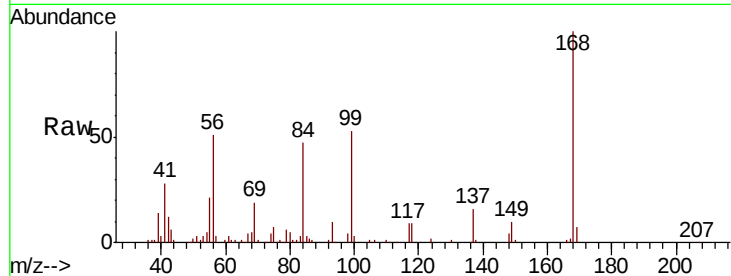
ClientSampleId :

VU0806WBS02

Tot Ion:	56	Resp:	68515
Ion	Ratio	Lower	Upper
56	100		
69	37.6	26.8	40.2
84	90.0	69.7	104.5

Manual Integrations
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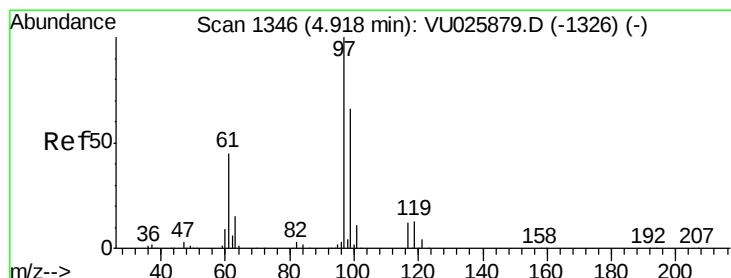
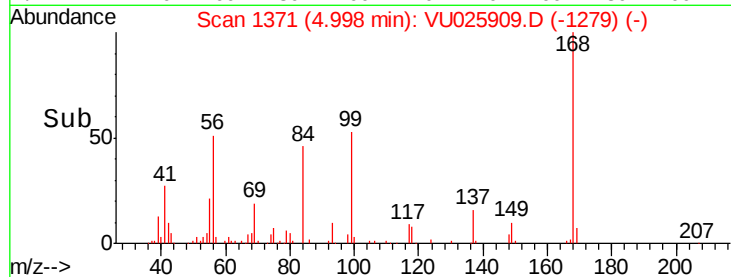
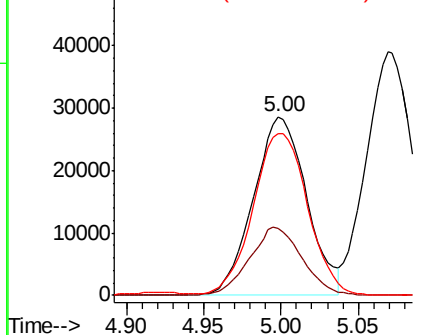


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 21.03 ug/l

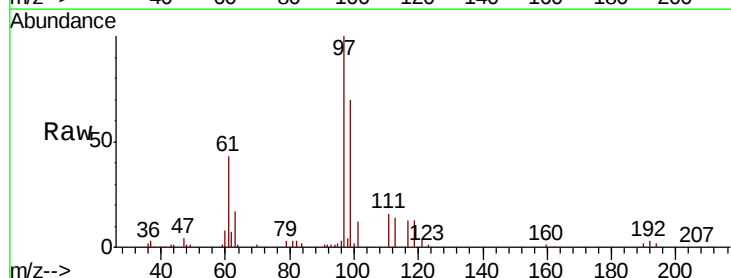
RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion:	97	Resp:	74655
Ion	Ratio	Lower	Upper
97	100		
99	66.7	50.8	76.2
61	43.5	35.2	52.8

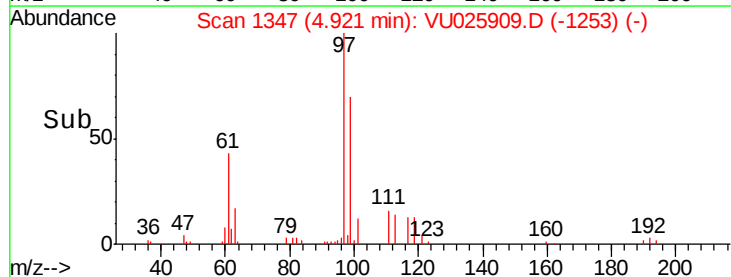
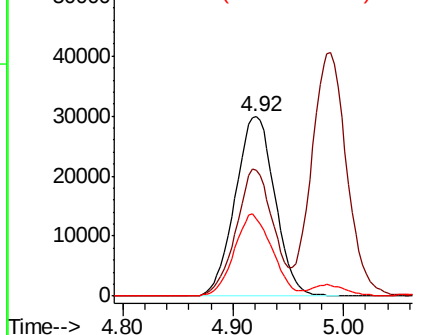


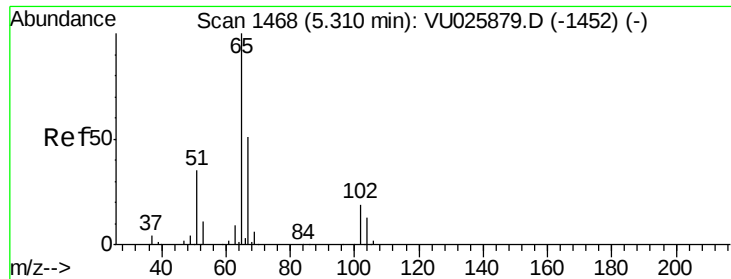
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 52.65 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 65 Resp: 134276

Ion Ratio Lower Upper

65 100

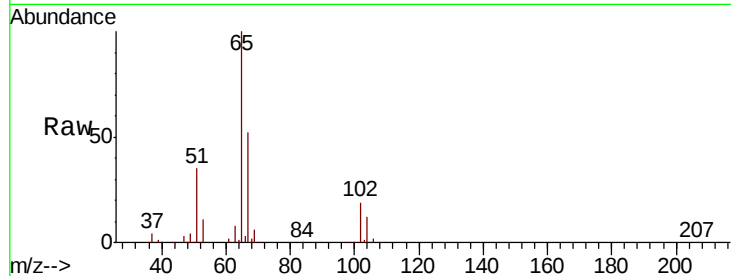
67 52.0 0.0 103.6

Manual Integrations

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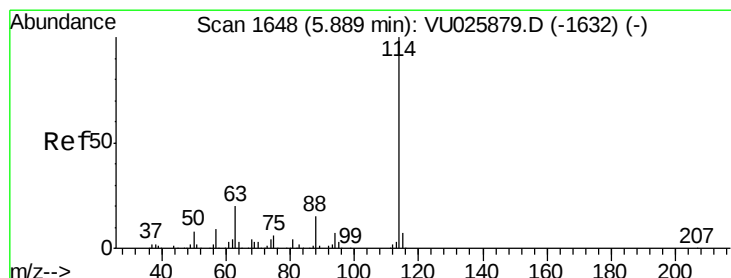
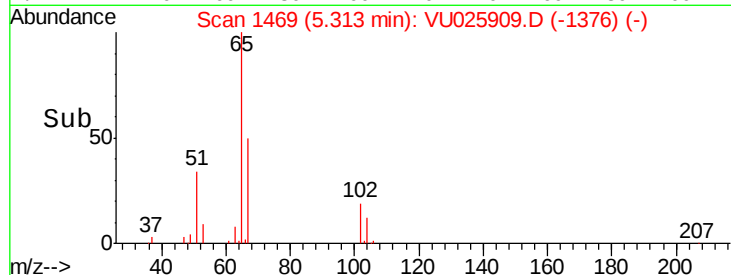
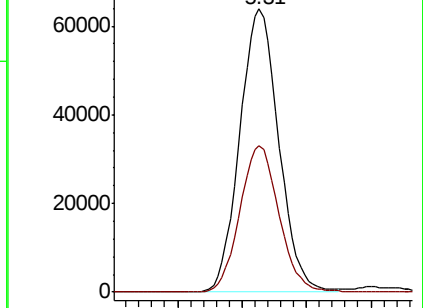
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Abundance Ion 64.90 (64.60 to 65.60): VU025879.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025879.D (-1452) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

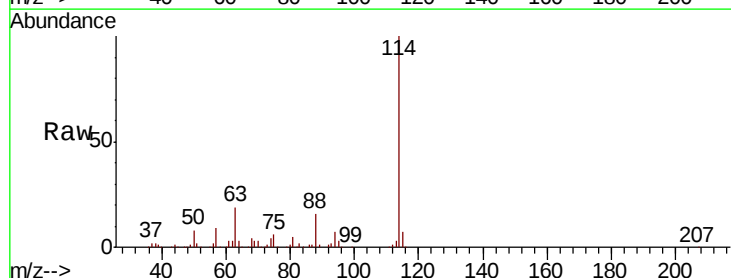
Tgt Ion: 114 Resp: 252757

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

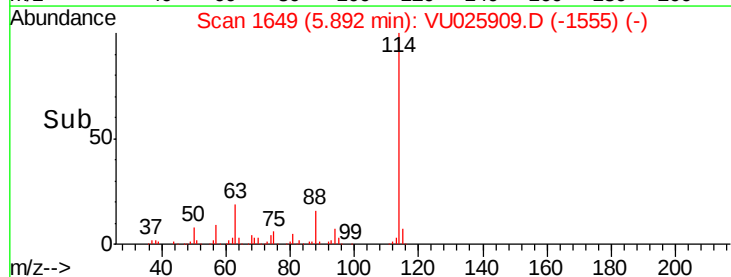
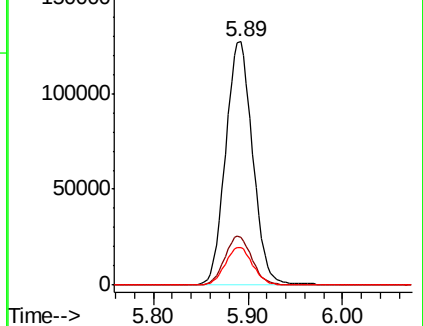
88 15.6 0.0 32.4

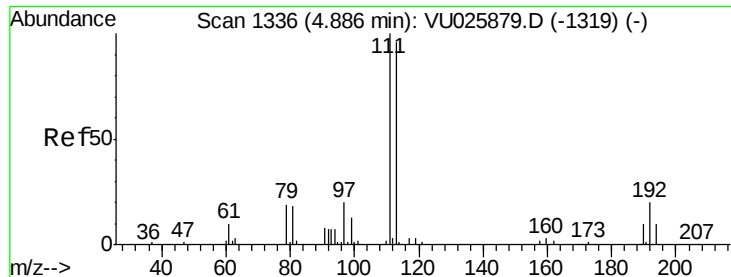


Abundance Ion 113.90 (113.60 to 114.60): VU025879.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU025879.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025879.D (-1632) (-)





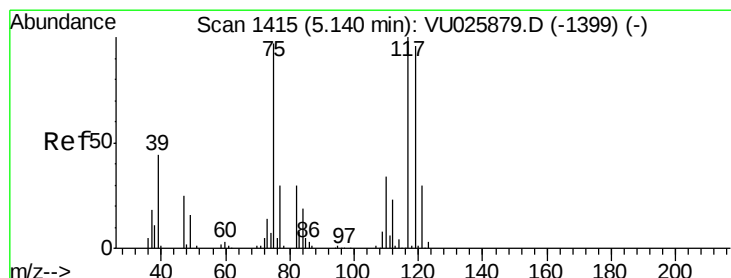
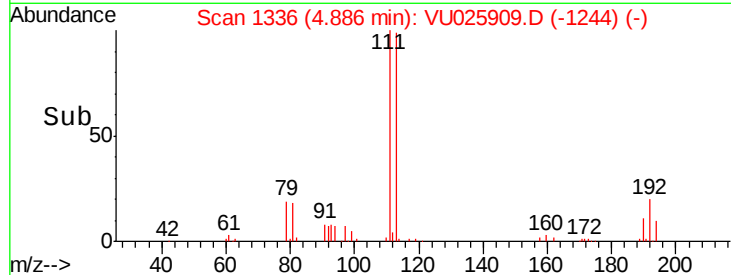
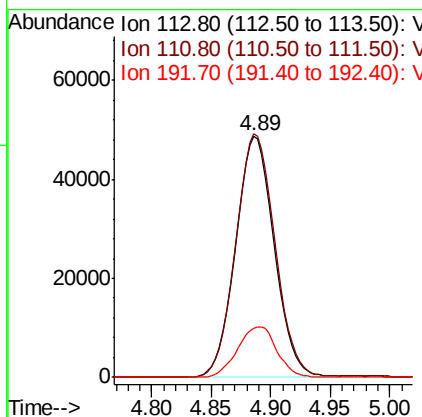
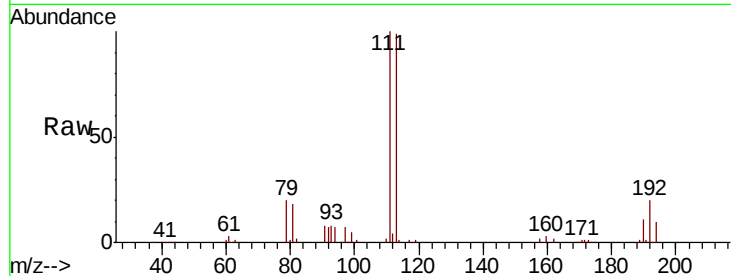
#35
 Dibromofluoromethane
 Concen: 49.90 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109696		
111	102.3	81.7	122.5	
192	21.4	17.1	25.7	

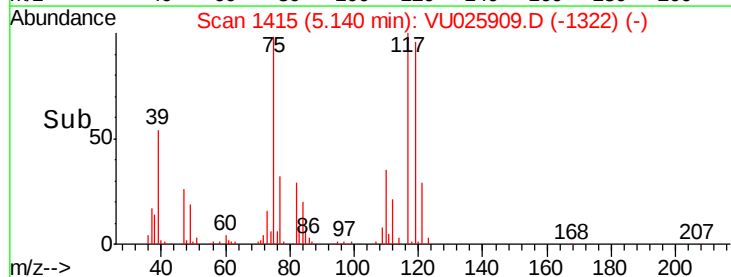
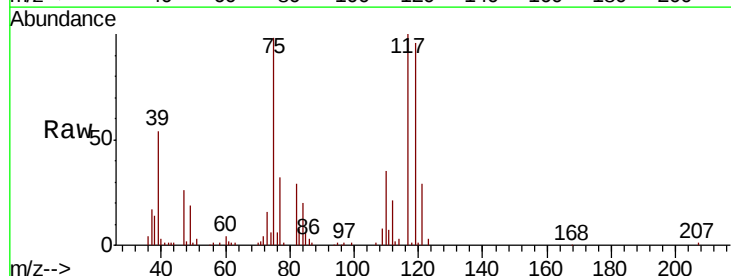
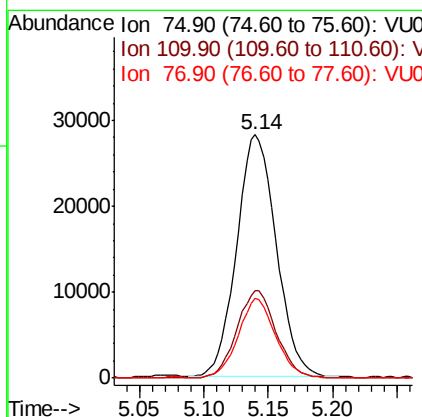
Manual Integrations
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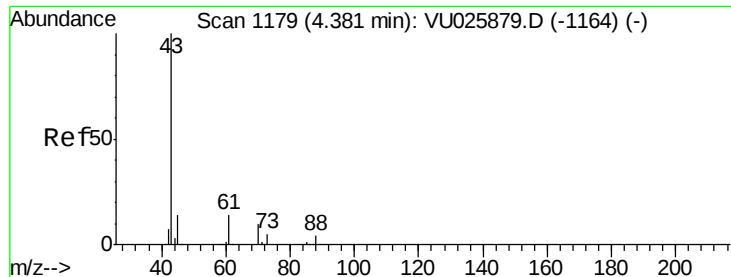
MMDadoda
 8/20/2018 5:45:33 PM



#36
 1,1-Dichloropropene
 Concen: 20.43 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60351		
110	35.8	17.6	52.9	
77	31.1	24.4	36.6	





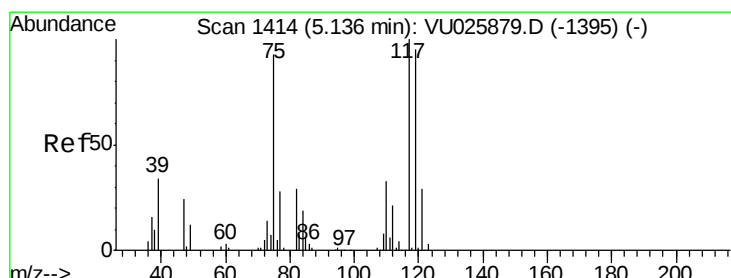
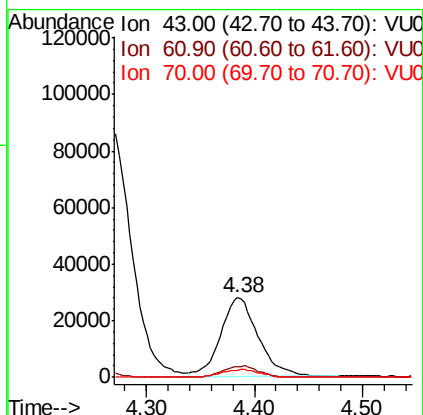
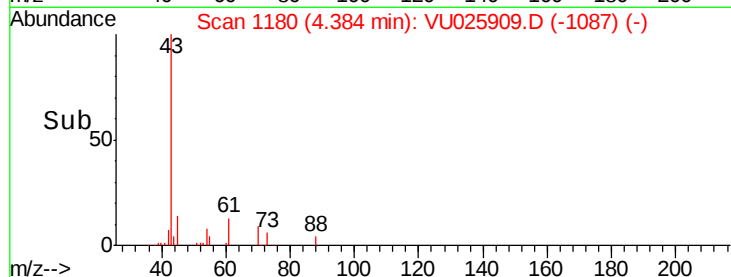
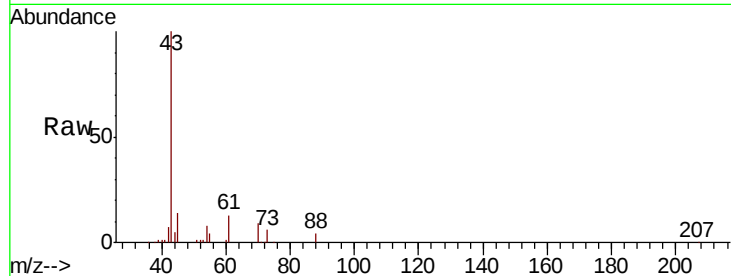
#37
Ethyl Acetate
Concen: 22.09 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	10.1	8.4	12.6

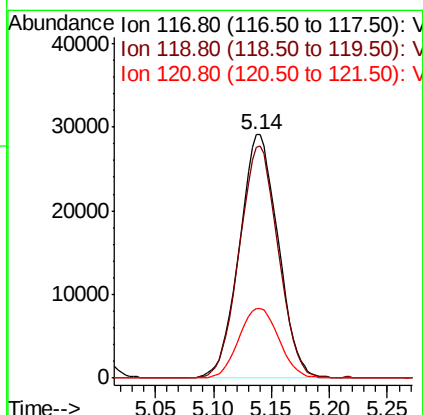
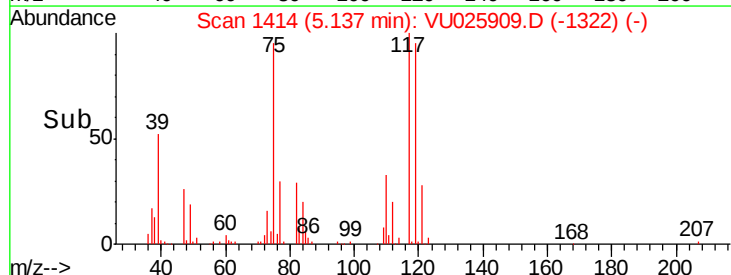
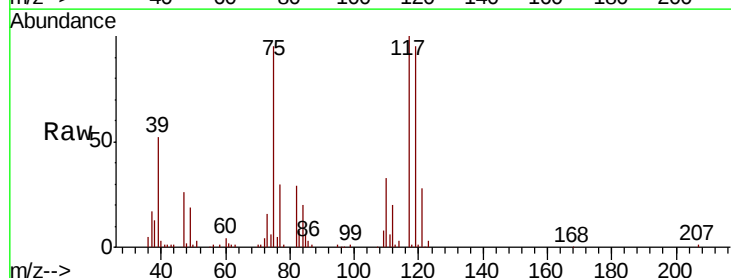
Manual Integrations
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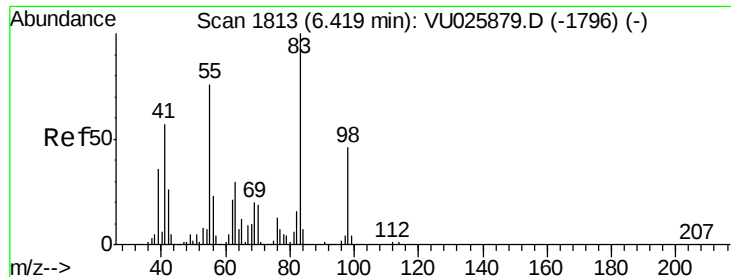
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#38
Carbon Tetrachloride
Concen: 20.26 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.7	113.5
121	28.5	24.6	36.8





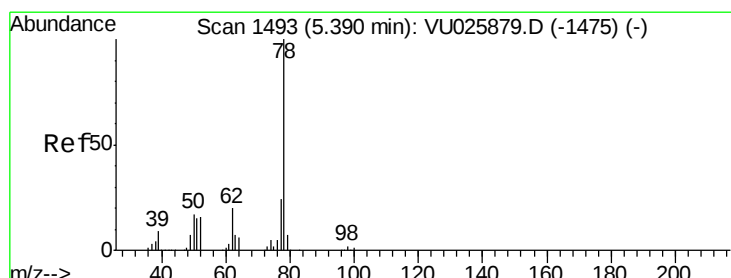
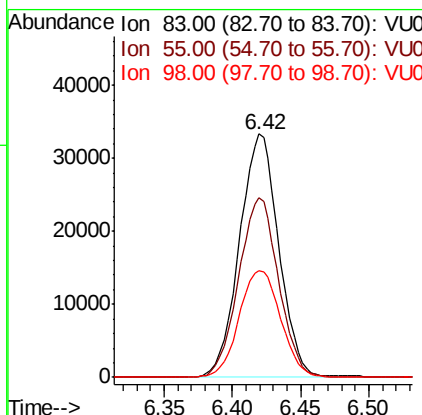
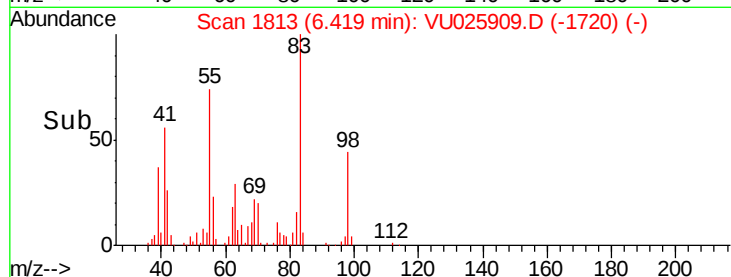
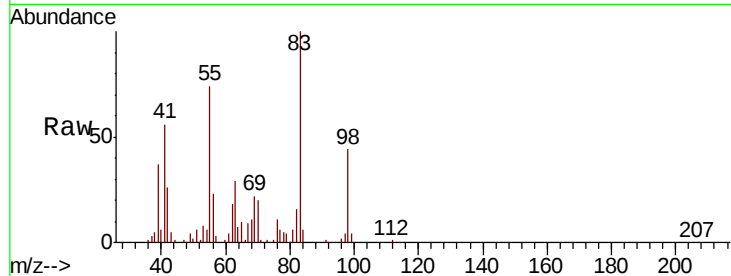
#39
Methvlcvclohexane
Concen: 19.68 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	66611		
55	73.9		60.0	90.0
98	43.8		36.1	54.1

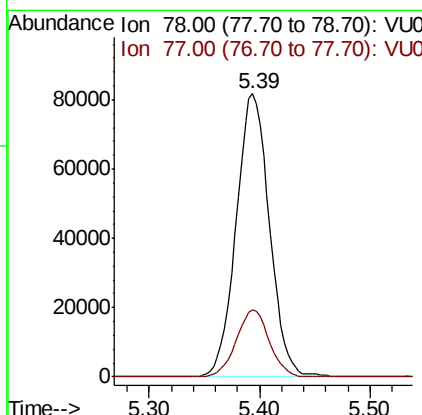
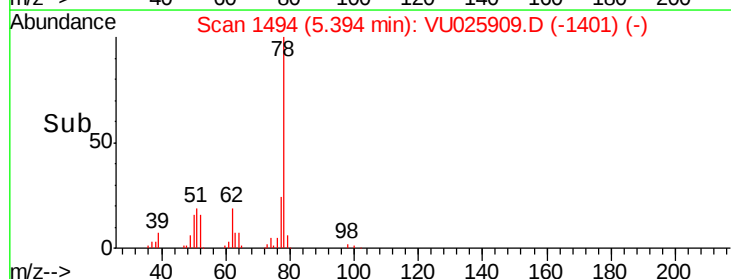
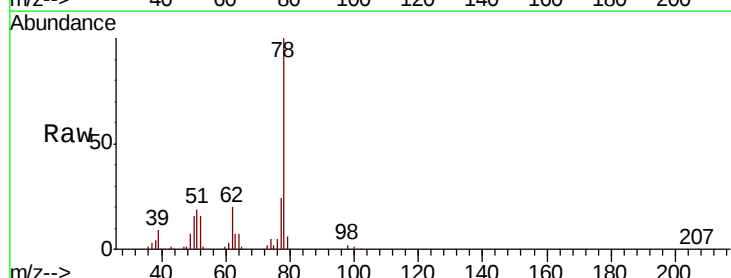
Manual Integrations
APPROVED

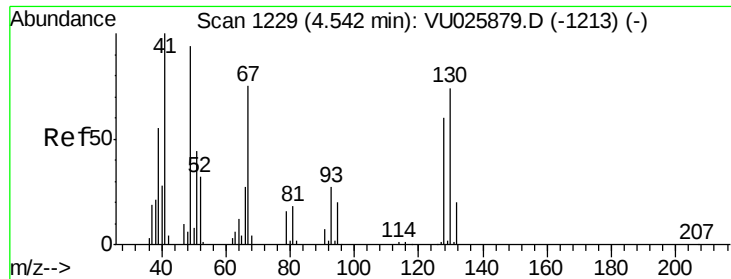
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8/20/2018 5:45:33 PM



#40
Benzene
Concen: 19.79 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	170834		
77	23.9		19.8	29.6





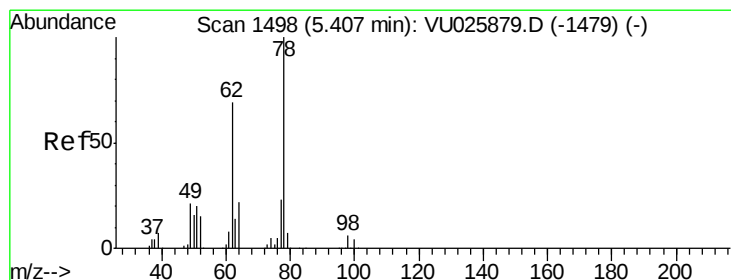
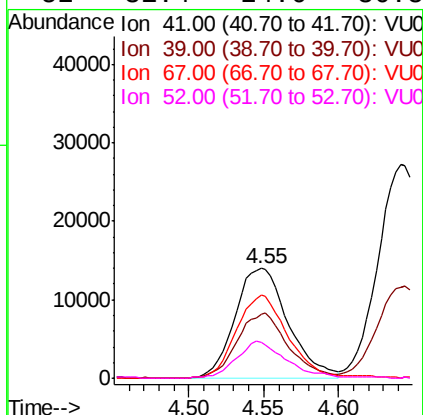
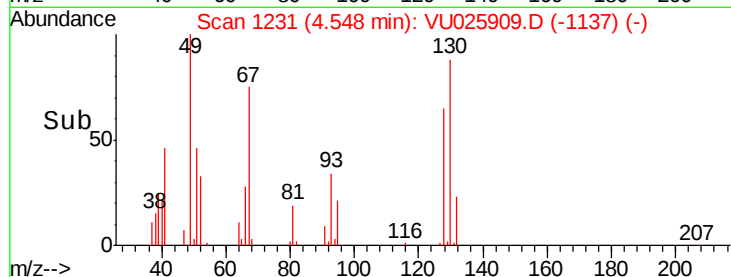
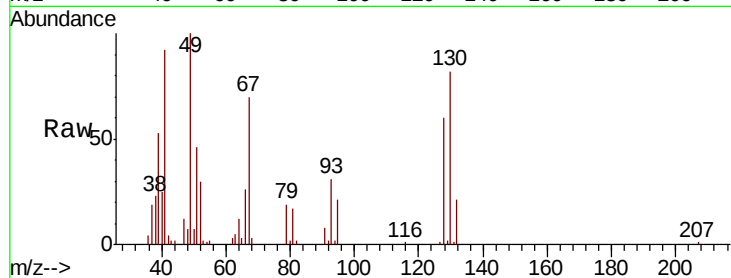
#41
Methacrylonitrile
Concen: 20.44 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	44.4	66.6	
67	72.7	56.0	84.0	
52	31.4	24.6	36.8	

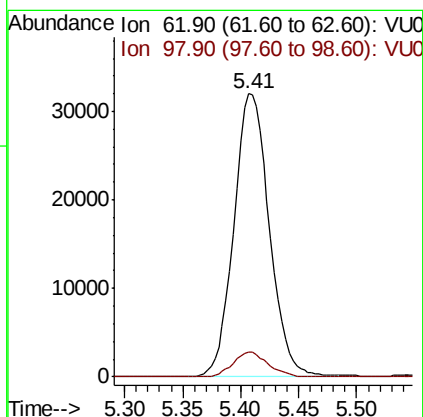
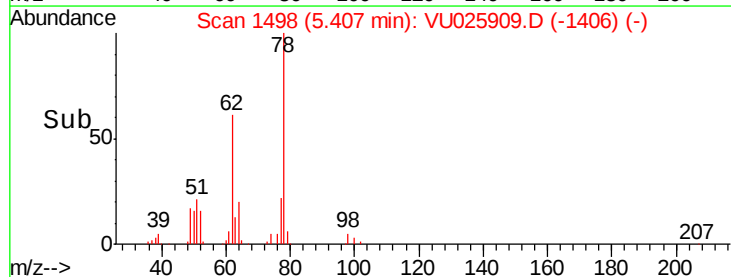
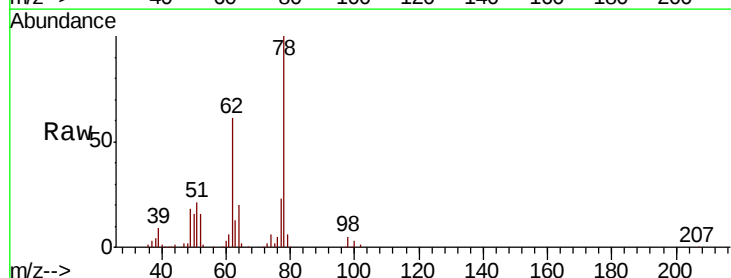
Manual Integrations
APPROVED

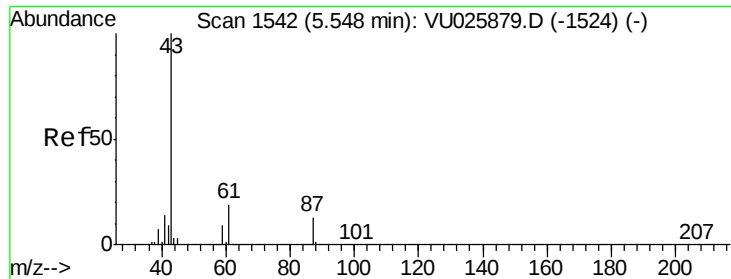
MMDadoda
8/20/2018 5:45:33 PM



#42
1,2-Dichloroethane
Concen: 20.43 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.4	





#43

Isopropyl Acetate

Concen: 20.87 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

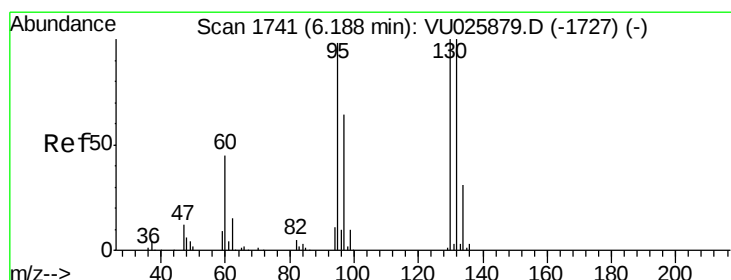
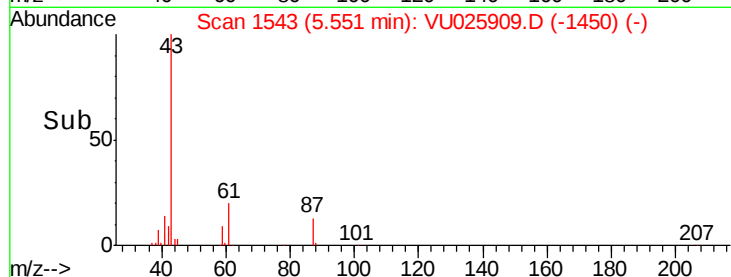
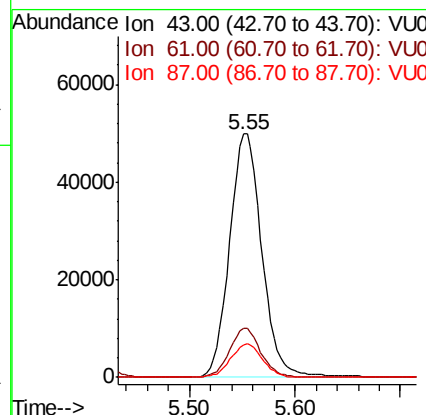
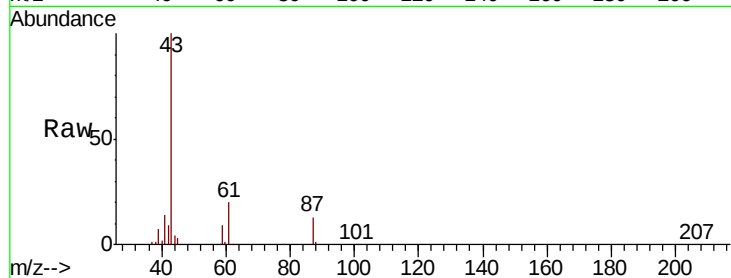
ClientSampleId :

VU0806WBS02

Tot Ion:	43	Resp:	105647
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.5	10.6	16.0

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#44

Trichloroethene

Concen: 20.42 ug/l

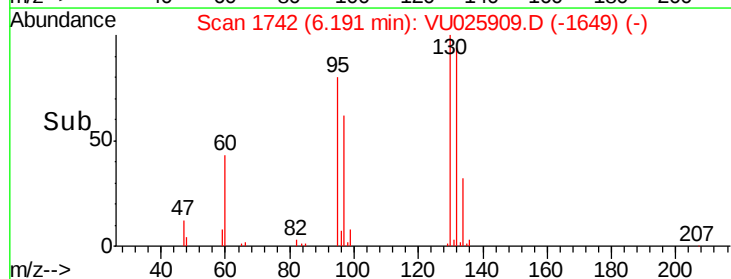
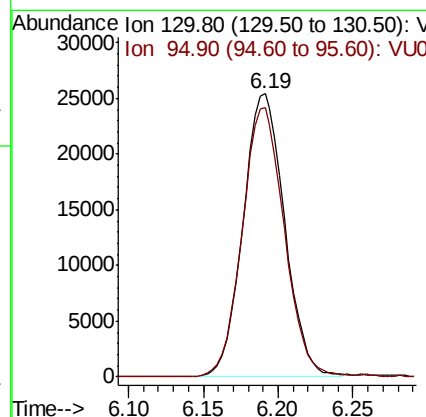
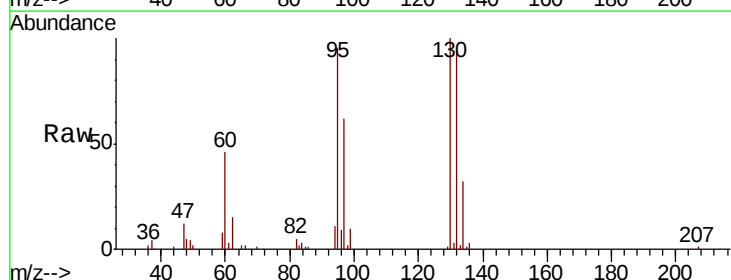
RT: 6.19 min Scan# 1742

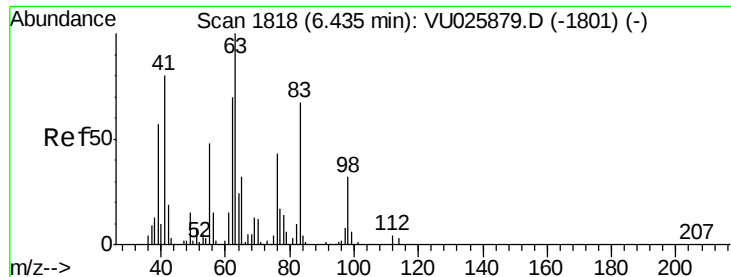
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion:	130	Resp:	49108
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	192.2





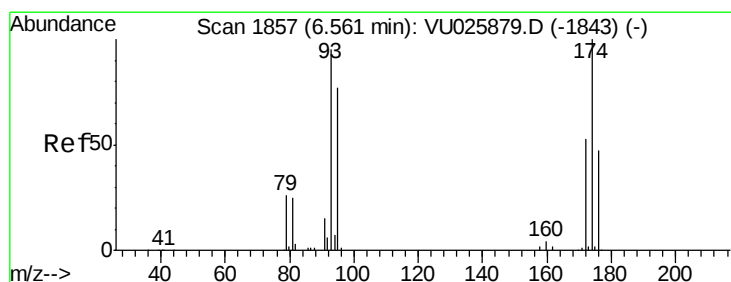
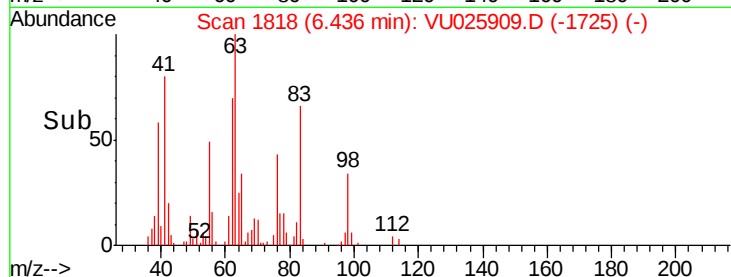
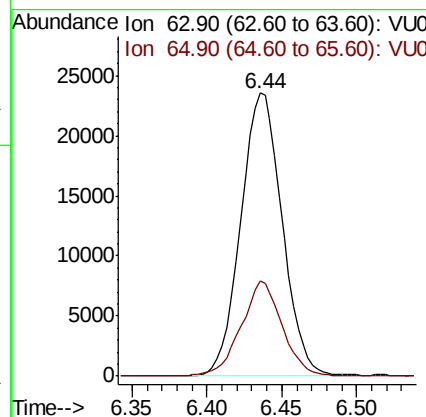
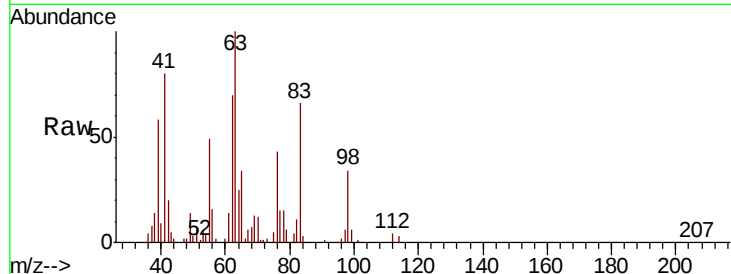
#45
 1,2-Dichloropropane
 Concen: 20.16 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion: 63 Resp: 45398
 Ion Ratio Lower Upper
 63 100
 65 33.5 26.1 39.1

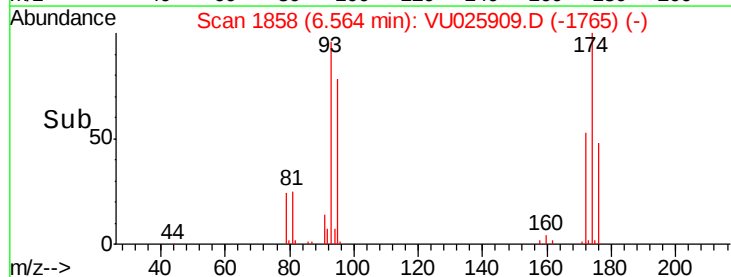
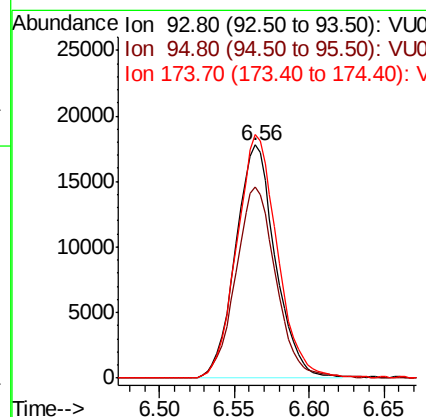
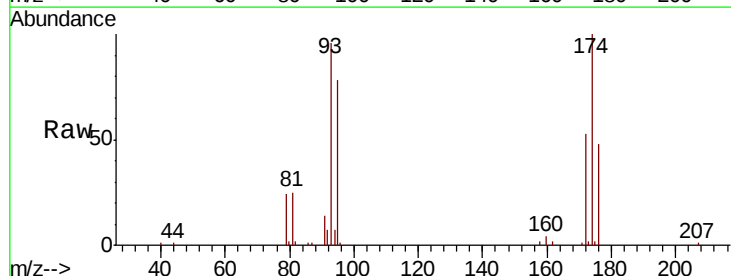
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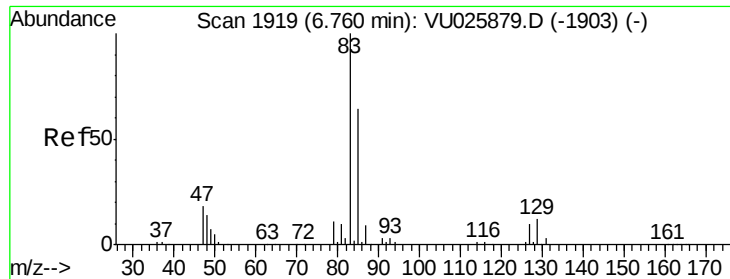
MMDadoda
 8/20/2018 5:45:33 PM



#46
 Dibromomethane
 Concen: 20.19 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion: 93 Resp: 32945
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 106.7 85.8 128.8





#47

Bromodichloromethane

Concen: 20.29 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

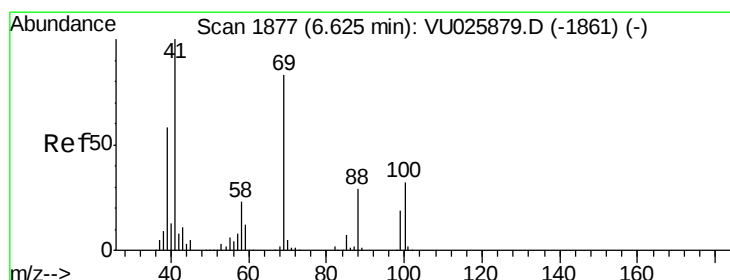
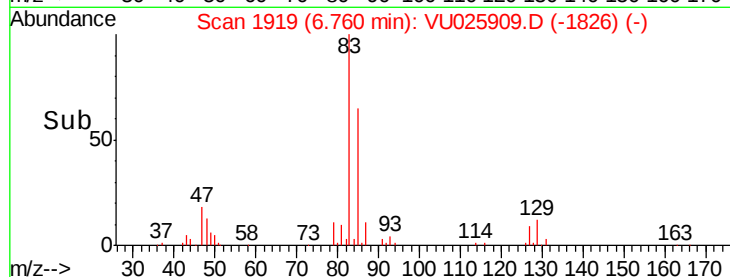
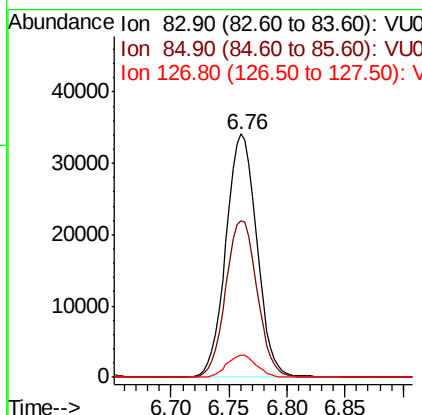
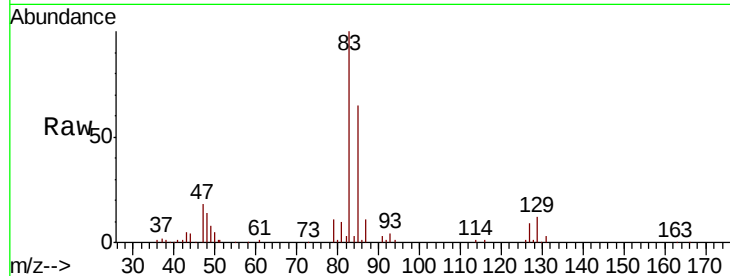
ClientSampleId :

VU0806WBS02

Tot Ion:	83	Resp:	63152
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.2	75.4
127	9.3	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.84 ug/l

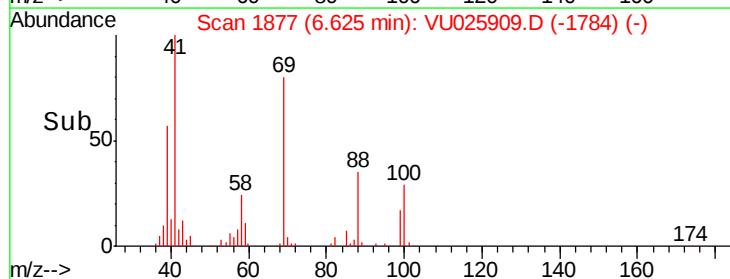
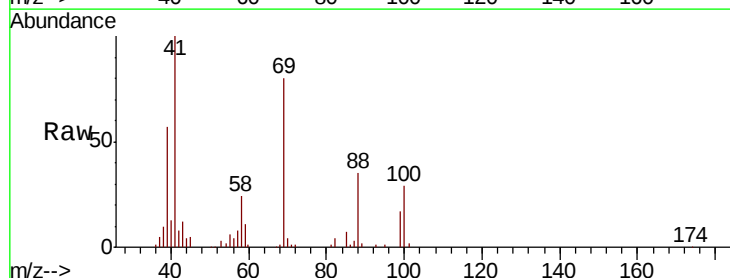
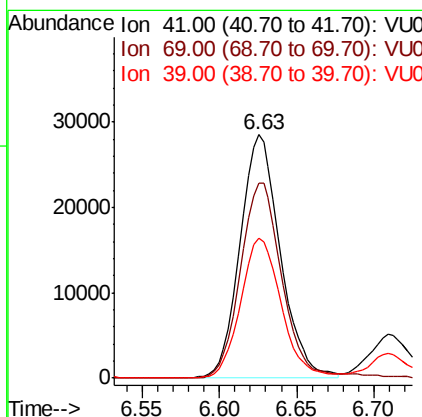
RT: 6.63 min Scan# 1877

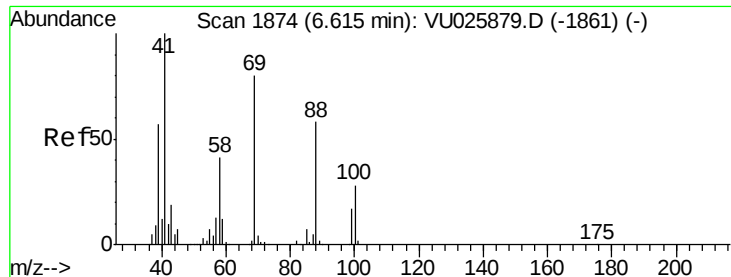
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion:	41	Resp:	51688
Ion Ratio	Lower	Upper	
41	100		
69	83.4	65.0	97.4
39	58.3	46.4	69.6





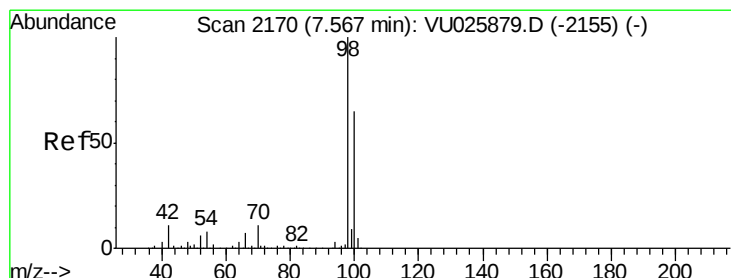
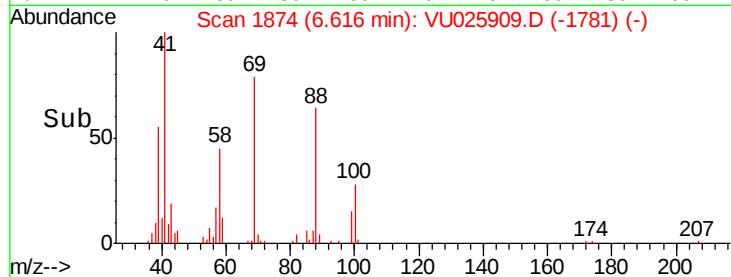
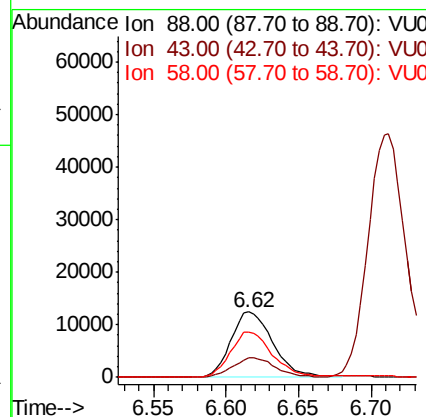
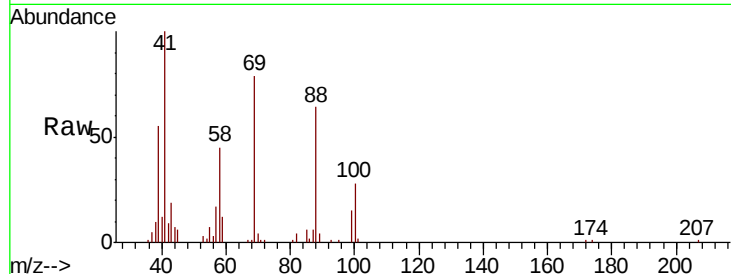
#49
1,4-Dioxane
Concen: 416.21 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	27.3	40.9
58	70.5	57.6	86.4

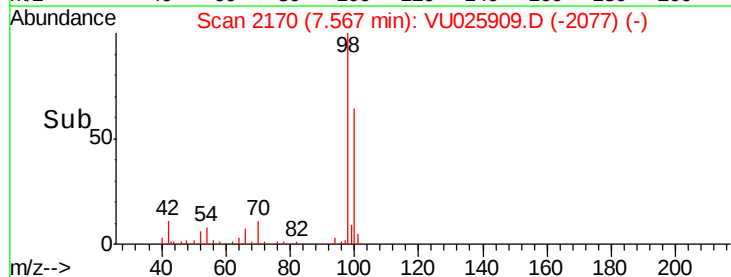
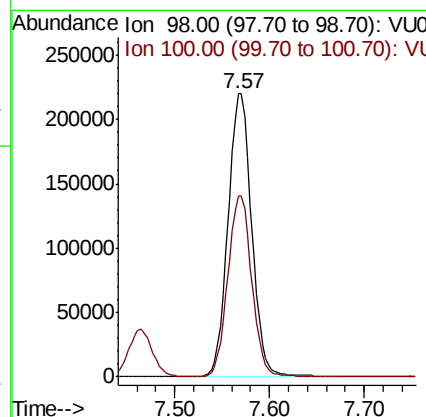
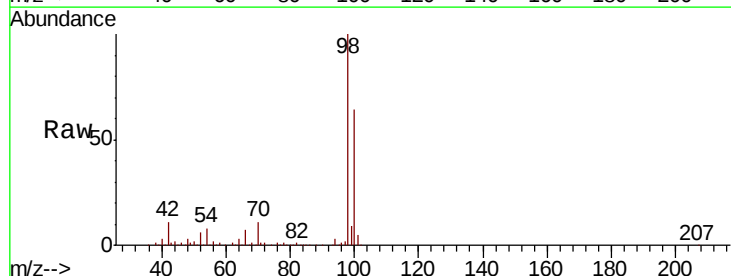
Manual Integrations
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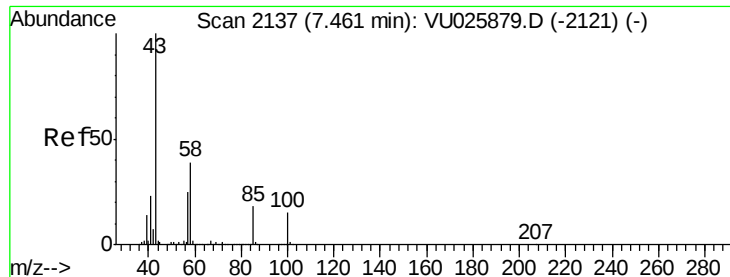
MMDadoda
8/20/2018 5:45:33 PM



#50
Toluene-d8
Concen: 49.87 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 132.81 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 43 Resp: 420851

Ion Ratio Lower Upper

43 100

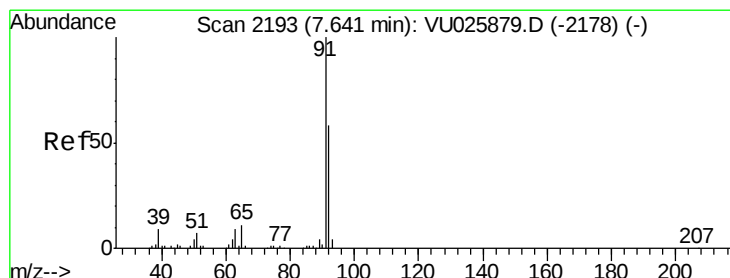
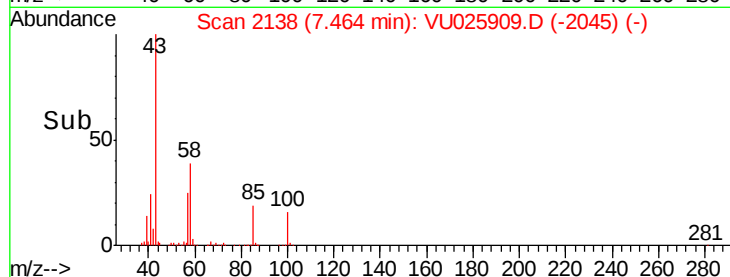
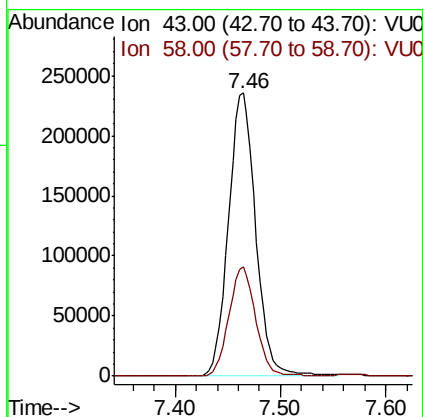
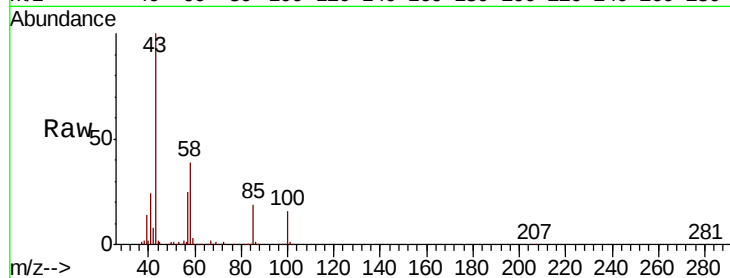
58 37.9 31.0 46.4

Manual Integrations

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#52

Toluene

Concen: 20.10 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025909.D

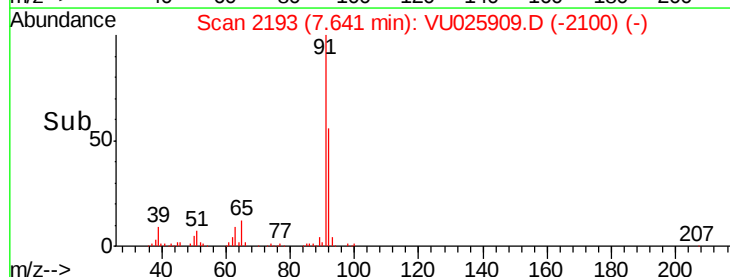
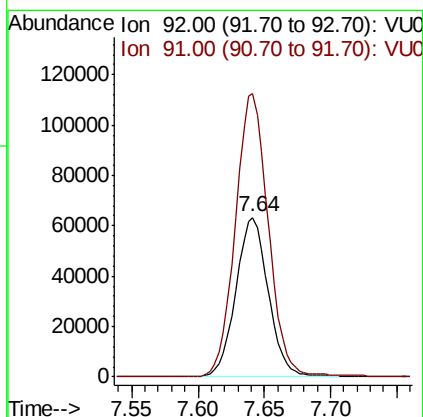
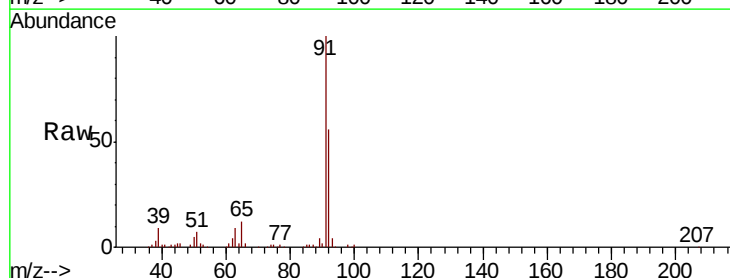
Acq: 07 Aug 2018 01:07

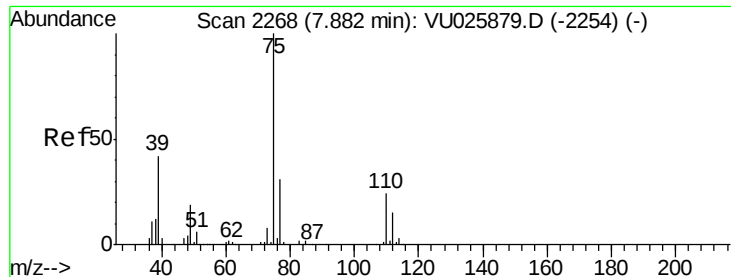
Tgt Ion: 92 Resp: 107806

Ion Ratio Lower Upper

92 100

91 180.5 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 19.58 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 75 Resp: 68419

Ion Ratio Lower Upper

75 100

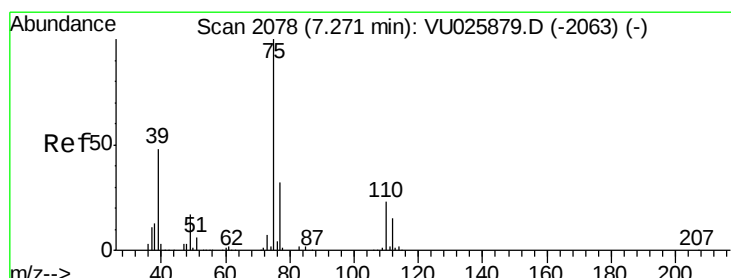
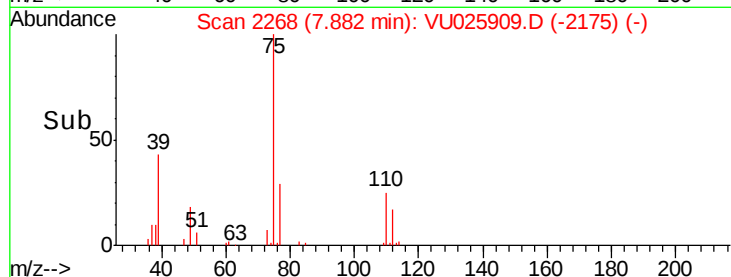
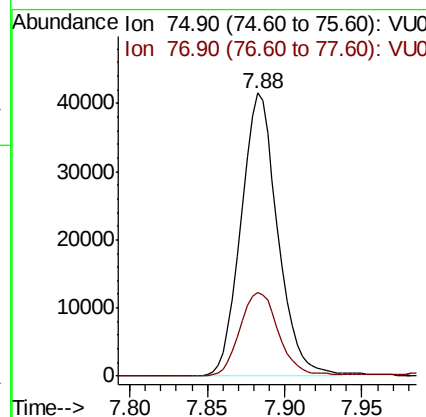
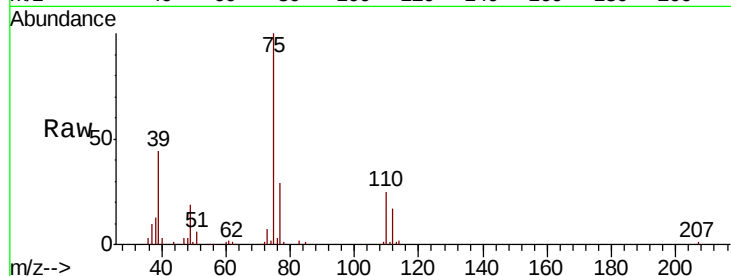
77 29.4 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.41 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

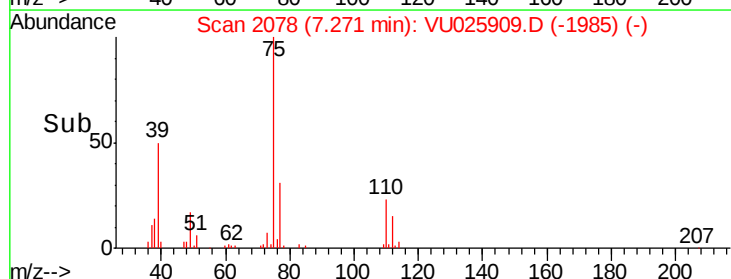
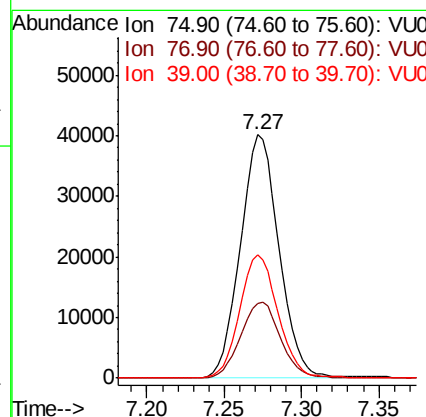
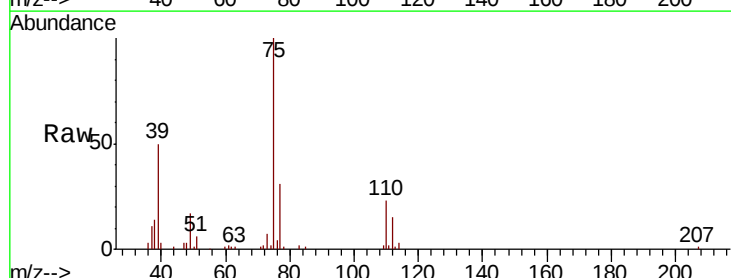
Tgt Ion: 75 Resp: 69691

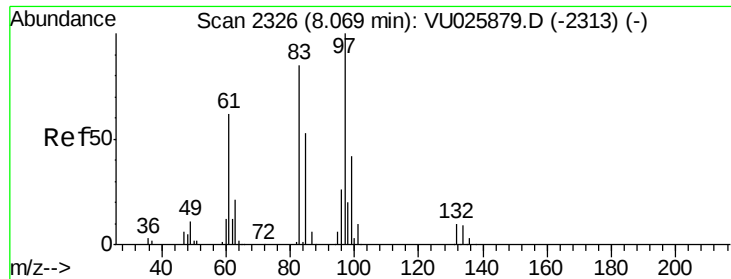
Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4

39 50.4 40.0 60.0





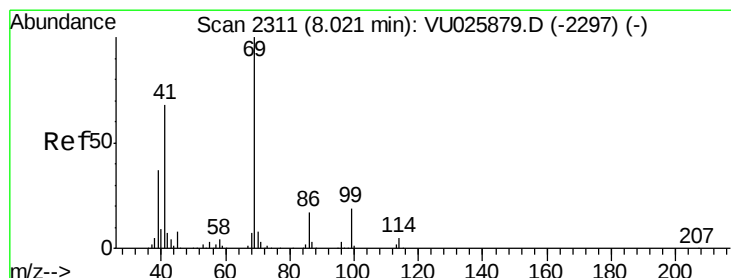
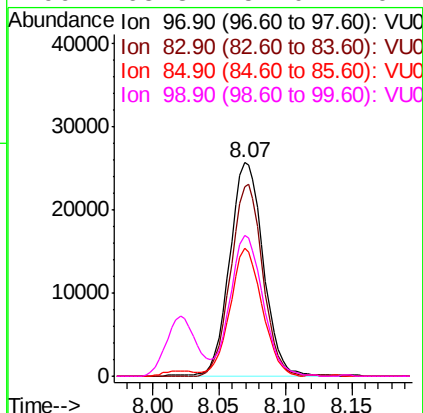
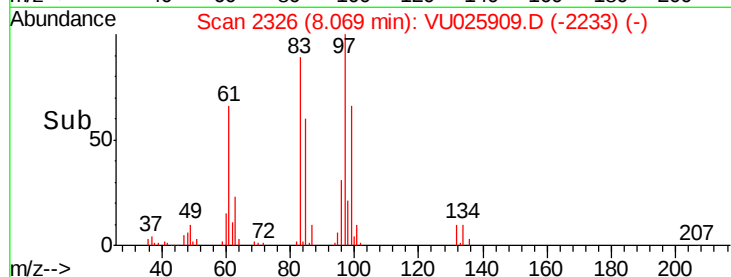
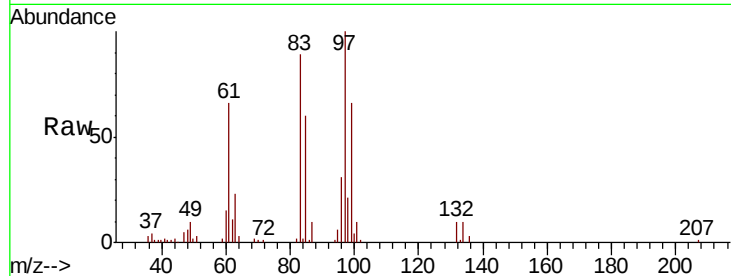
#55
 1,1,2-Trichloroethane
 Concen: 20.34 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion:	97	Resp:	45351
Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.9	103.3
85	59.2	44.4	66.6
99	65.8	51.0	76.4

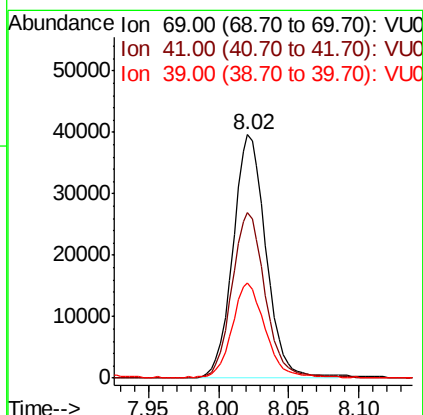
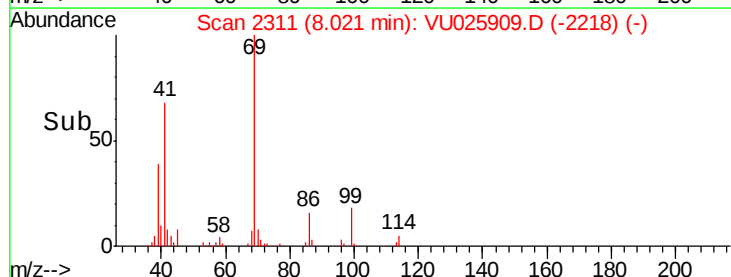
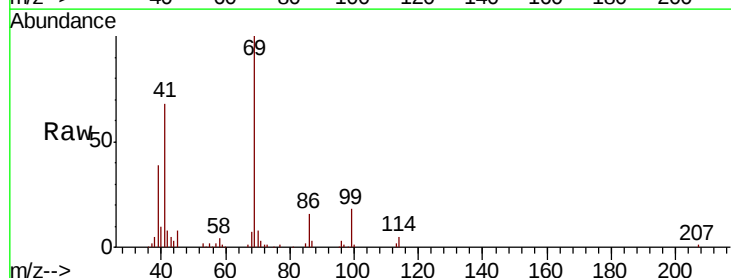
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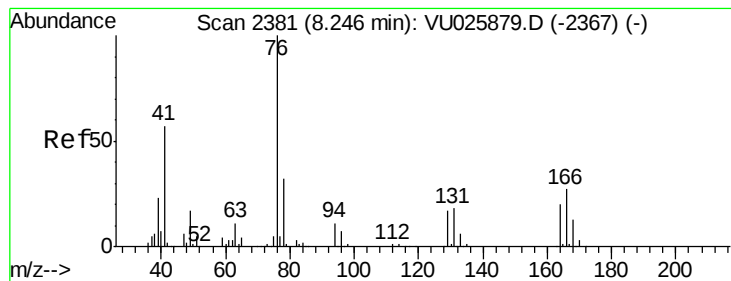
MMDadoda
 8/20/2018 5:45:33 PM



#56
 Ethyl methacrylate
 Concen: 20.36 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion:	69	Resp:	64840
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.8	82.2
39	39.7	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.55 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tot Ion: 76 Resp: 77049

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

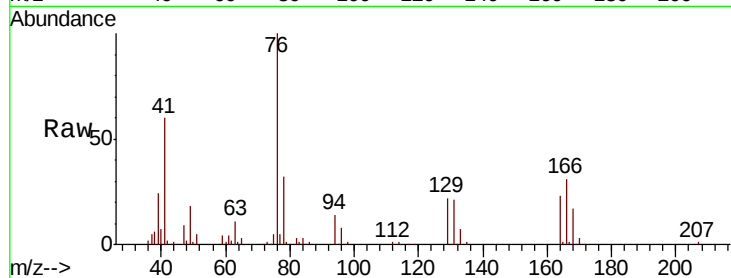
VU0806WBS02

Manual Integrations

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MMDadoda

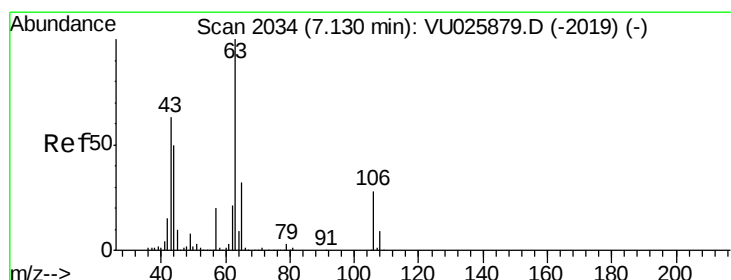
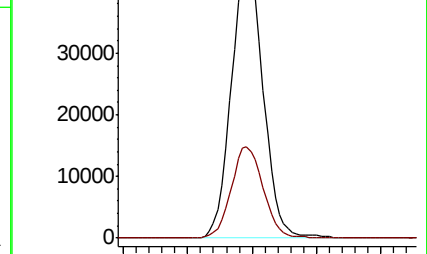
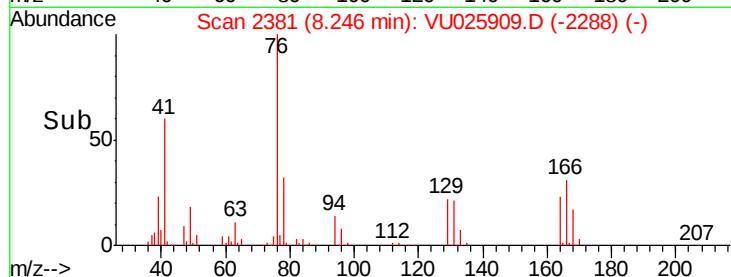
8/20/2018 5:45:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25



#58

2-Chloroethyl Vinyl ether

Concen: 88.72 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025909.D

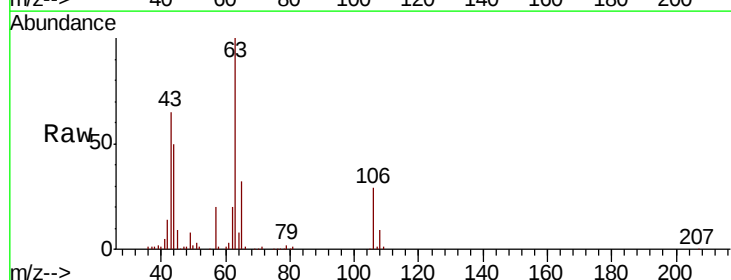
Acq: 07 Aug 2018 01:07

Tgt Ion: 63 Resp: 121179

Ion Ratio Lower Upper

63 100

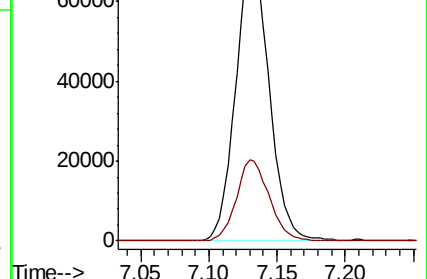
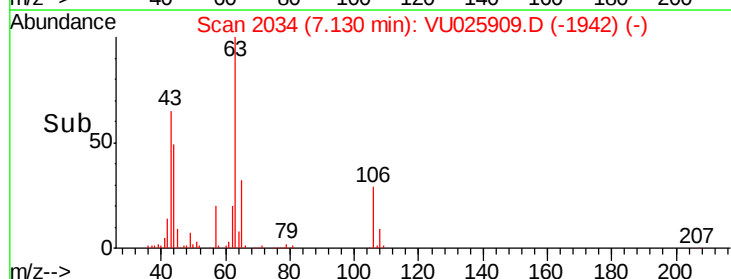
106 27.9 22.3 33.5

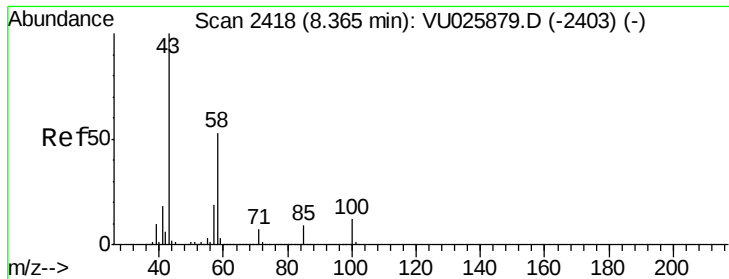


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13





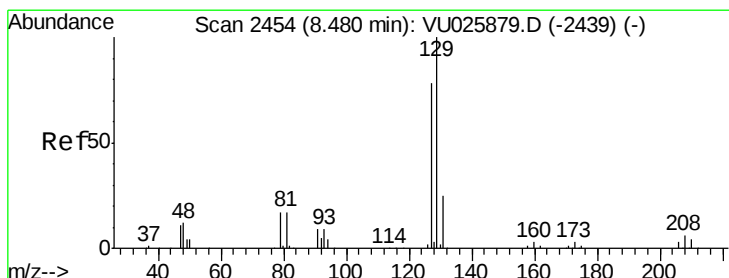
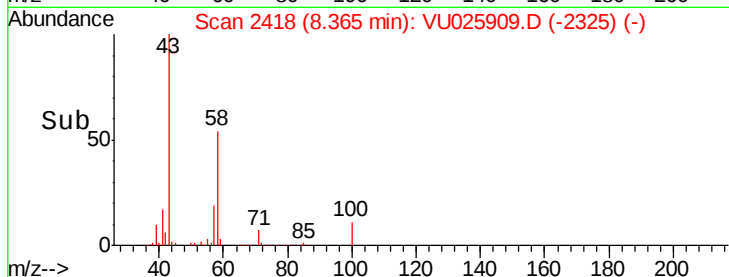
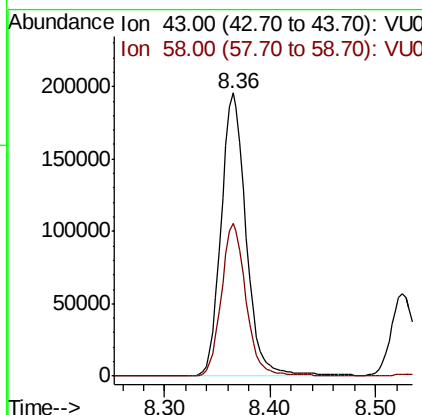
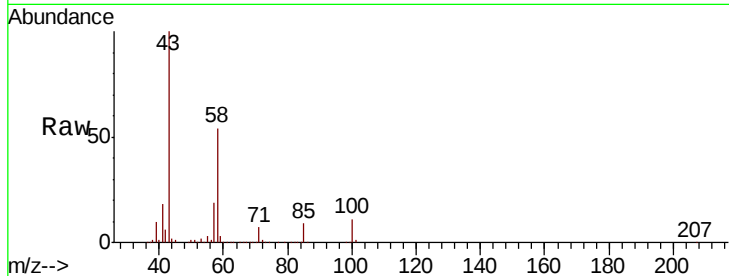
#59
2-Hexanone
Concen: 129.18 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	43	Resp	320857
Ion Ratio	Lower	Upper	
43	100		
58	53.0	26.2	78.5

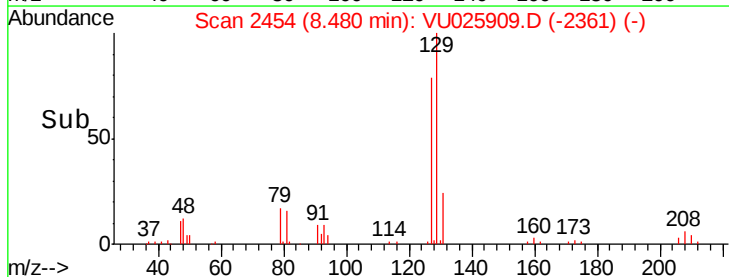
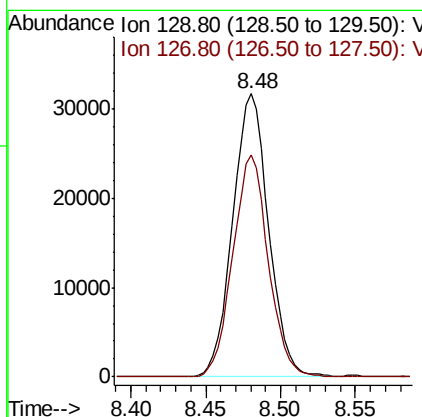
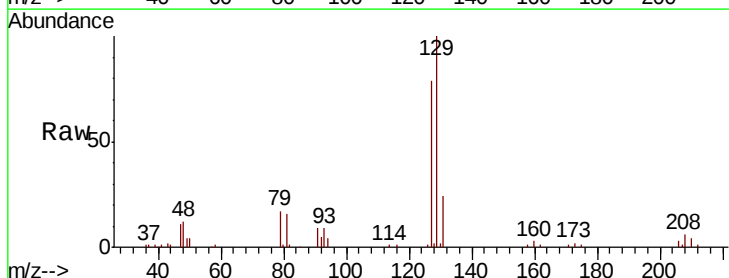
Manual Integrations
APPROVED

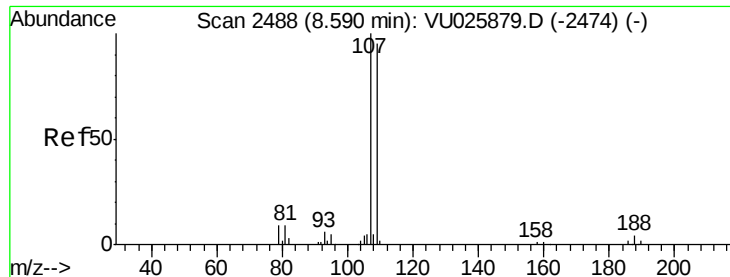
MMDadoda
8/20/2018 5:45:33 PM



#60
Dibromochloromethane
Concen: 20.15 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	129	Resp	52977
Ion Ratio	Lower	Upper	
129	100		
127	77.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.62 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion:107 Resp: 51118

Ion Ratio Lower Upper

107 100

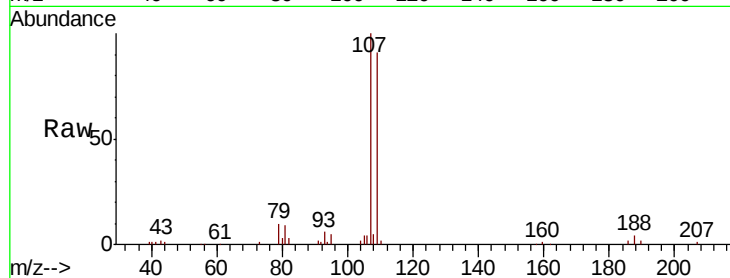
109 93.2 75.8 113.8

Manual Integrations

APPROVED

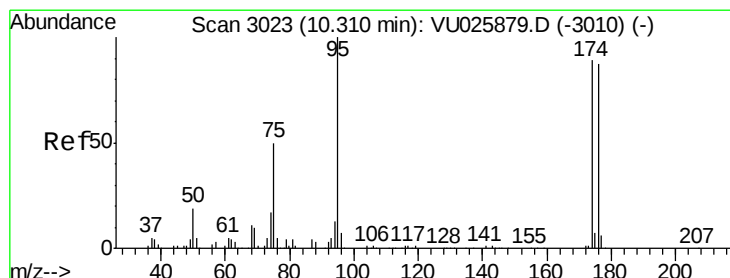
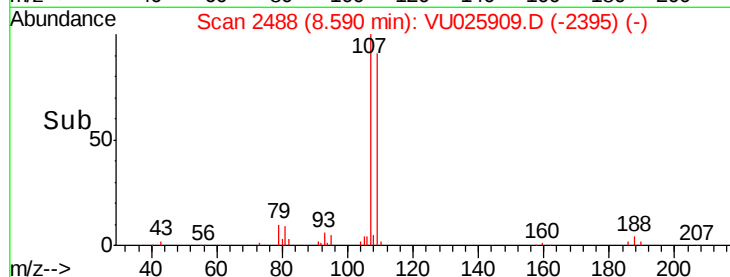
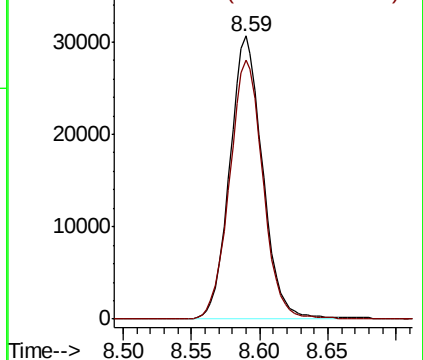
MMDadoda

8/20/2018 5:45:33 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.33 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

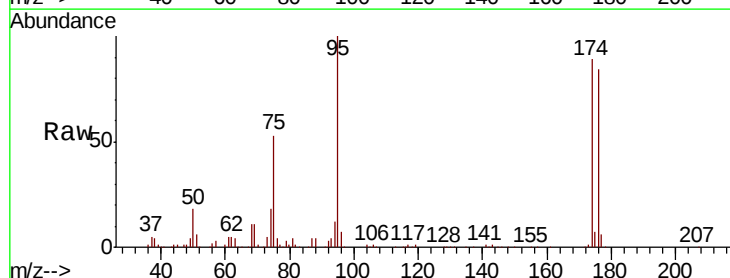
Tgt Ion: 95 Resp: 147284

Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.2

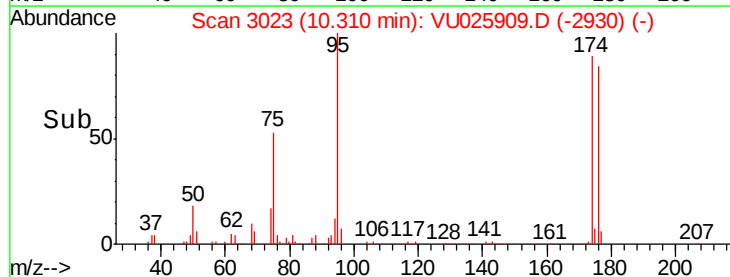
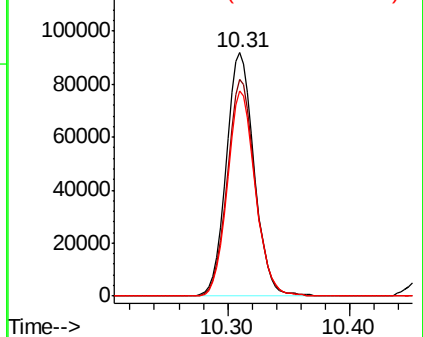
176 84.1 0.0 162.6

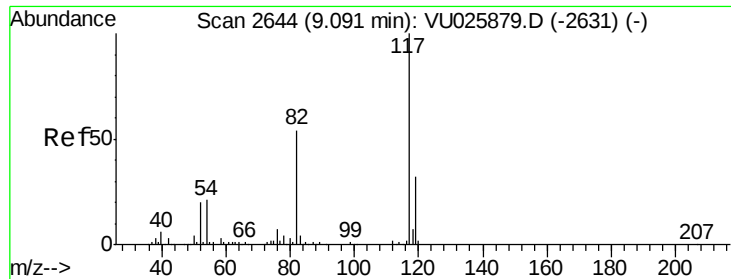


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





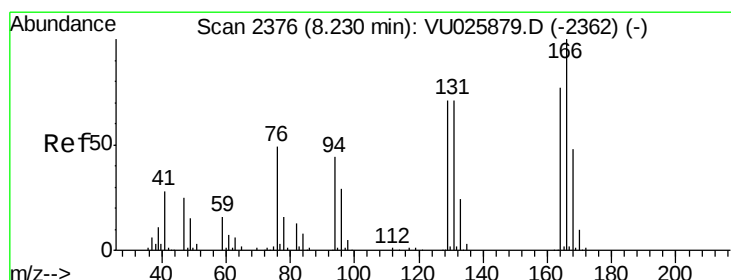
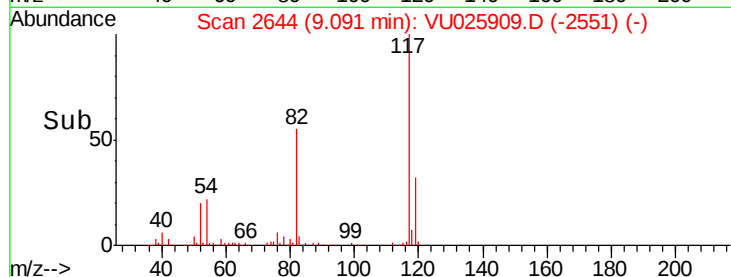
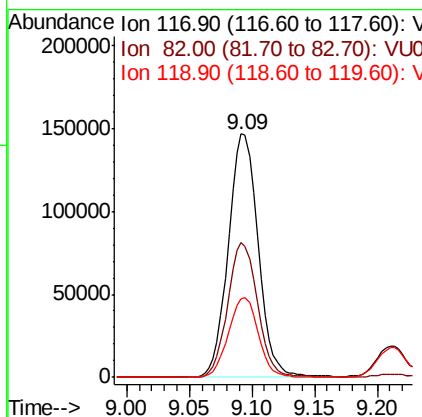
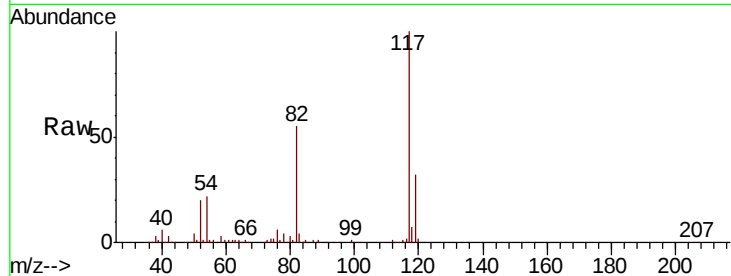
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243098		
82	55.3	46.0	69.0	
119	32.3	26.0	39.0	

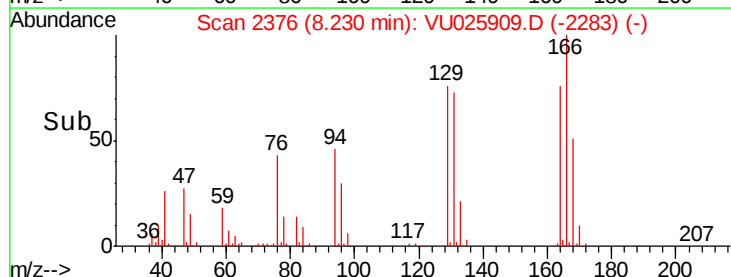
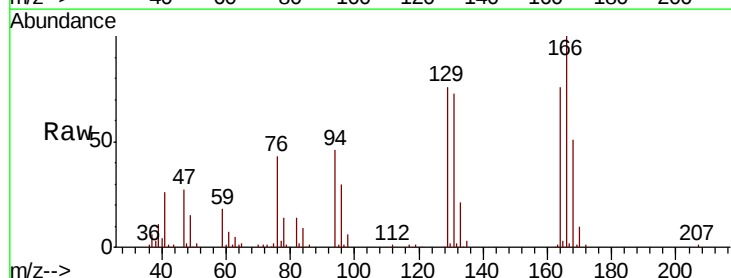
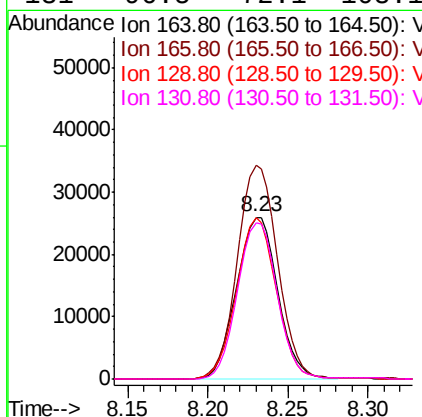
Manual Integrations
APPROVED

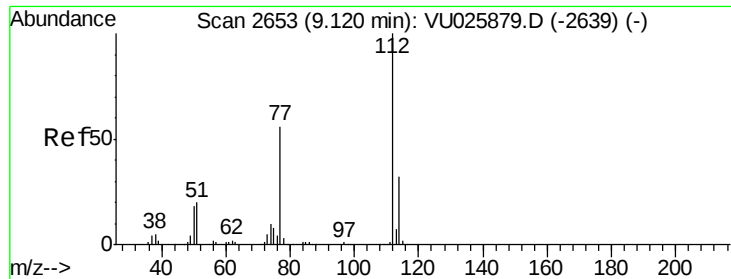
MMDadoda
8/20/2018 5:45:33 PM



#64
Tetrachloroethene
Concen: 21.36 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45701		
166	132.1	101.1	151.7	
129	99.8	73.0	109.6	
131	96.5	72.1	108.1	





#65

Chlorobenzene

Concen: 20.42 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion:112 Resp: 128014

Ion Ratio Lower Upper

112 100

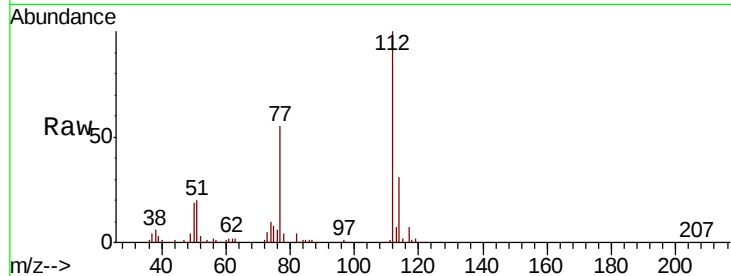
114 31.4 25.8 38.8

Manual Integrations

APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

80000

60000

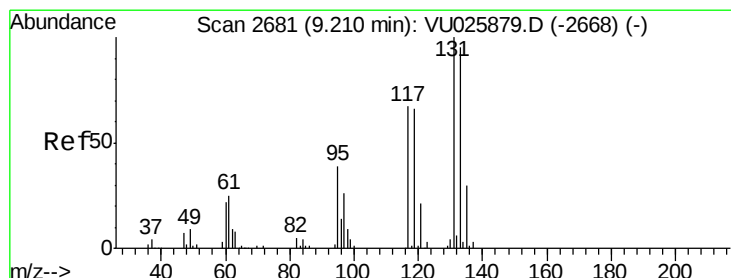
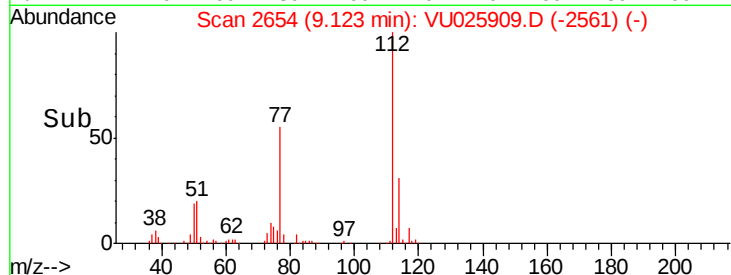
40000

20000

0

9.05 9.10 9.15 9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.67 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

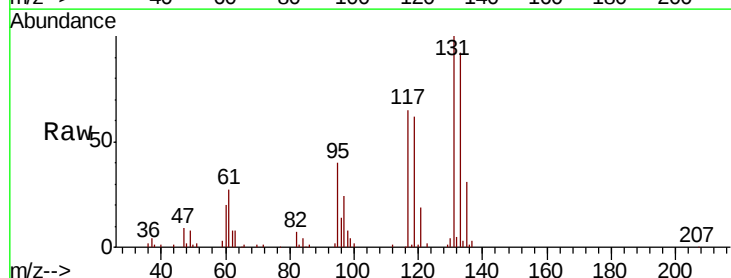
Tgt Ion:131 Resp: 46856

Ion Ratio Lower Upper

131 100

133 96.1 47.8 143.3

119 64.7 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

40000

30000

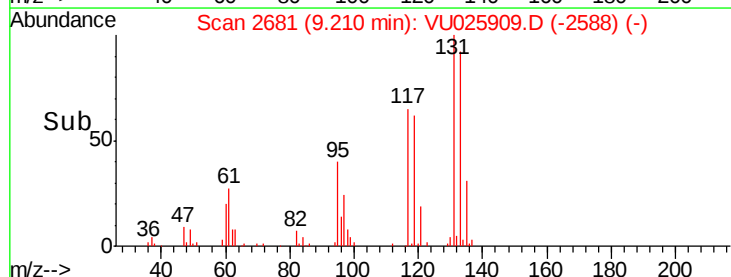
20000

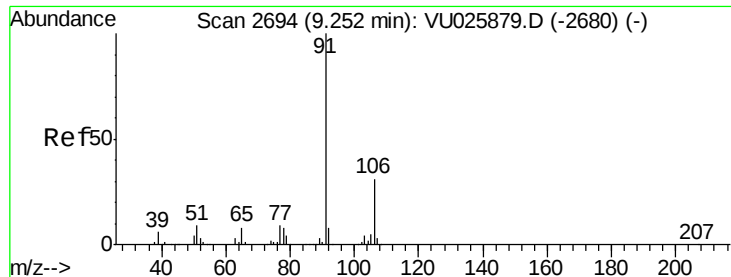
10000

0

9.15 9.20 9.25

Time-->





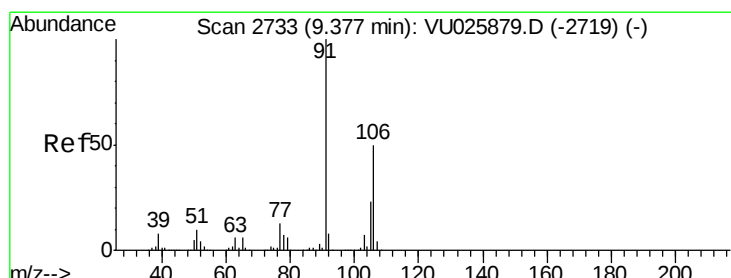
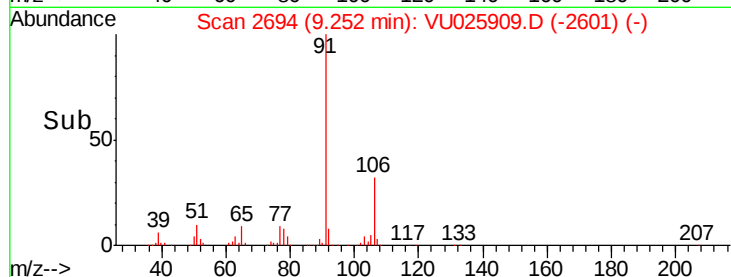
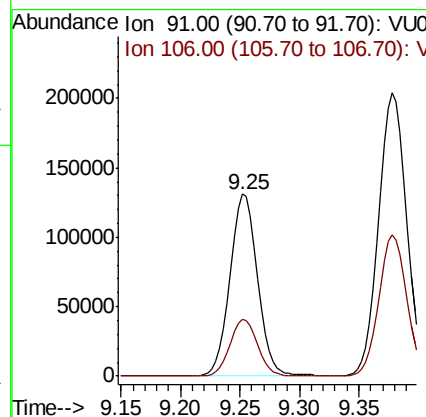
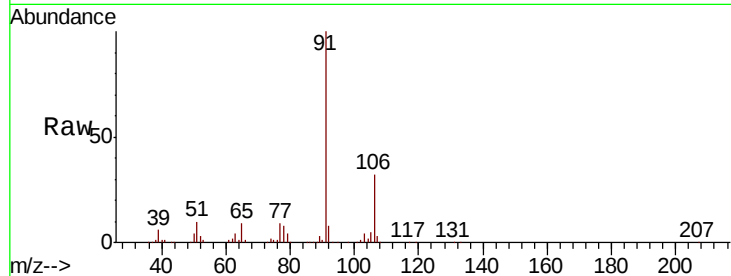
#67
Ethyl Benzene
Concen: 20.38 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion: 91 Resp: 211620
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

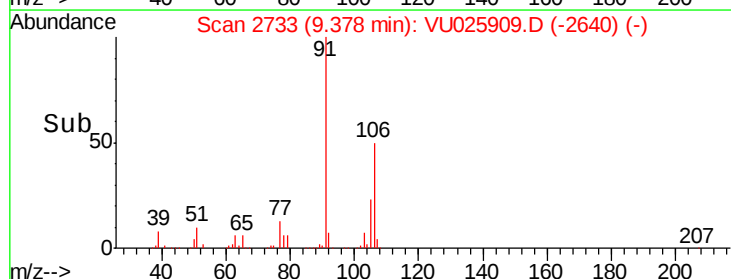
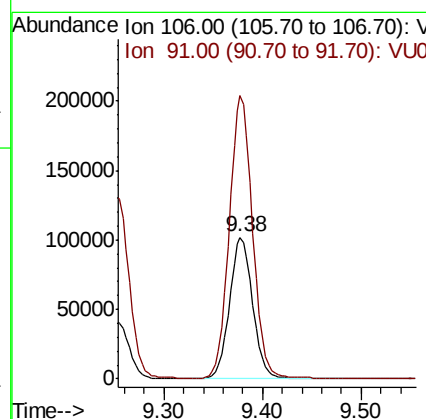
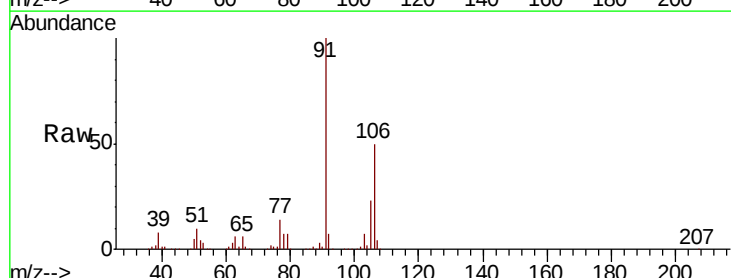
Manual Integrations
APPROVED

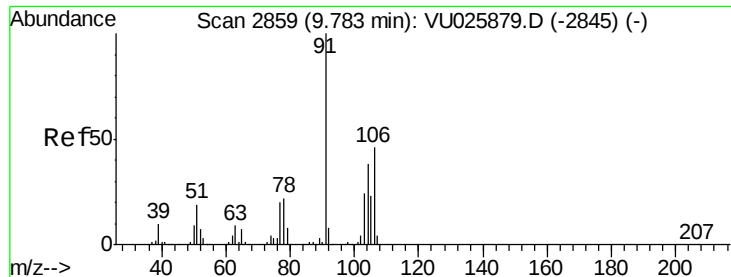
MMDadoda
8/20/2018 5:45:33 PM



#68
m/p-Xylenes
Concen: 42.07 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion: 106 Resp: 167671
Ion Ratio Lower Upper
106 100
91 200.8 162.3 243.5





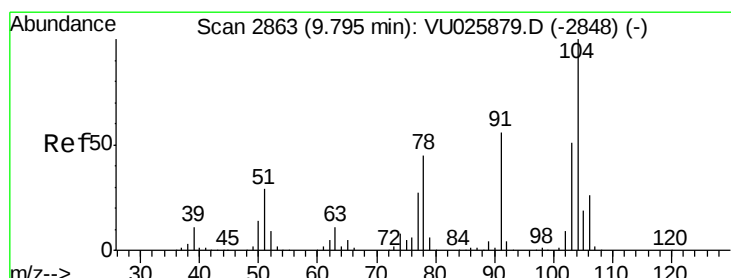
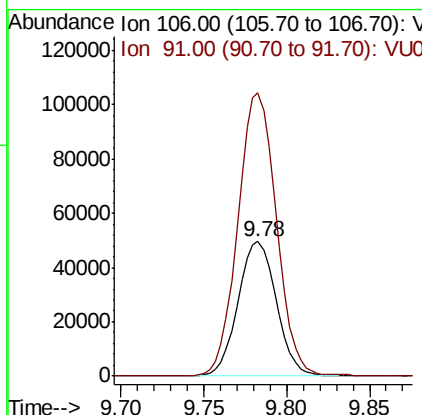
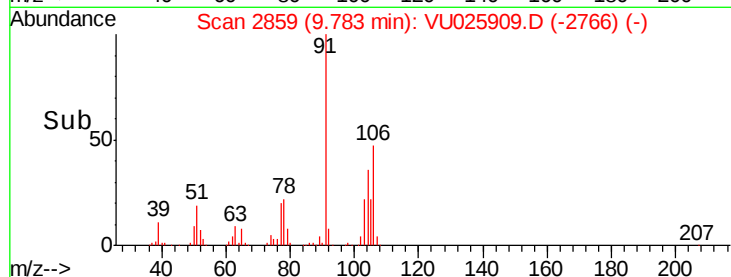
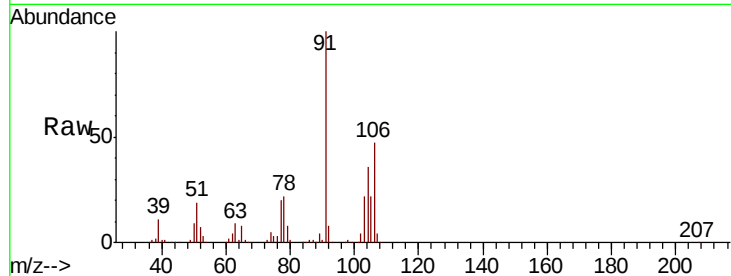
#69
o-Xylene
Concen: 20.47 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion:106 Resp: 79759
Ion Ratio Lower Upper
106 100
91 211.7 105.3 315.8

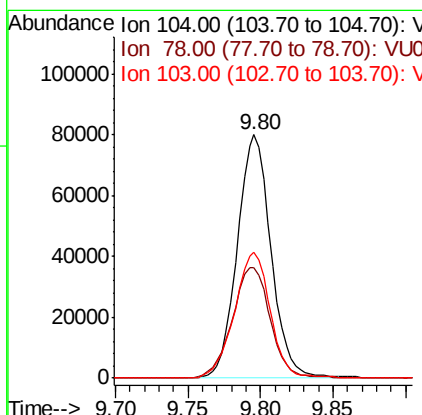
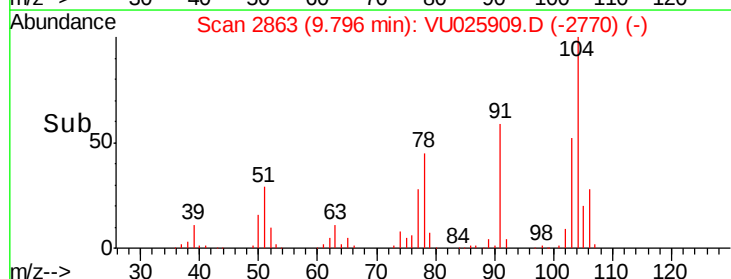
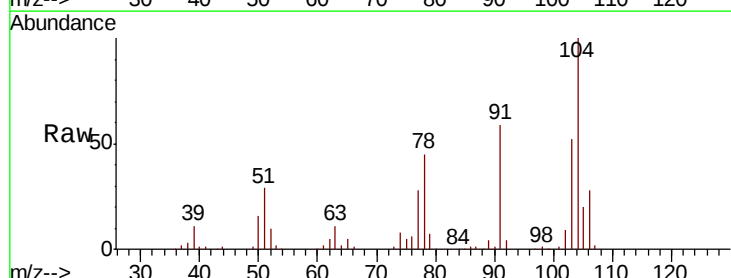
Manual Integrations
APPROVED

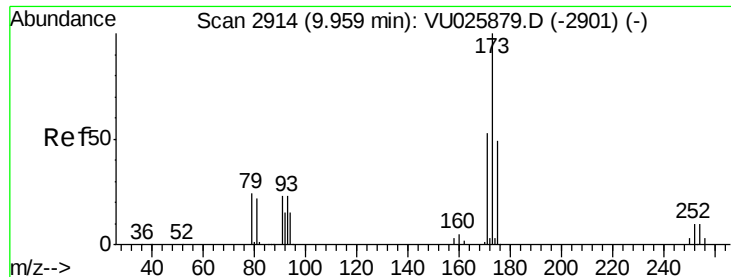
MMDadoda
8/20/2018 5:45:33 PM



#70
Styrene
Concen: 20.54 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion:104 Resp: 129266
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 55.2 44.6 66.8





#71

Bromoform

Concen: 20.19 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion:173 Resp: 39698

Ion Ratio Lower Upper

173 100

175 49.7 24.0 72.0

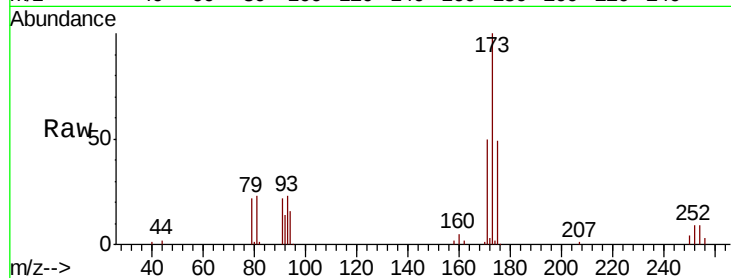
254 0.0 0.0 0.0

Manual Integrations

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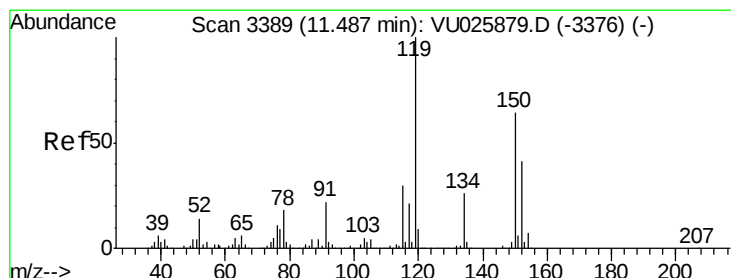
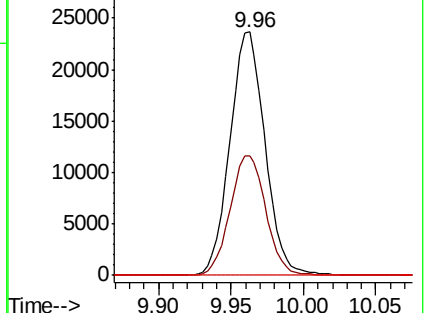
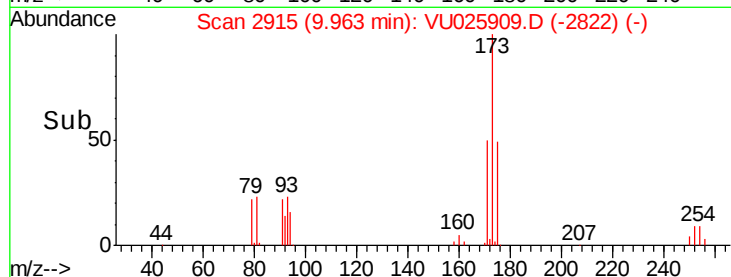
8/20/2018 5:45:33 PM



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: VU025909.D

Acq: 07 Aug 2018 01:07

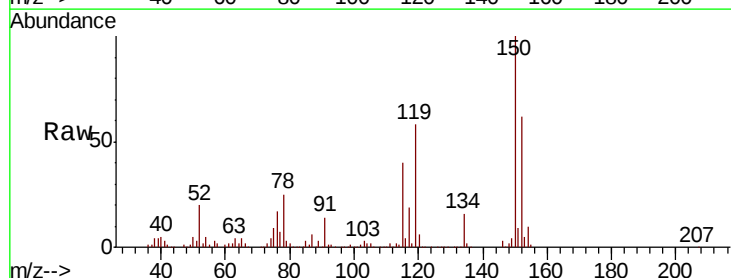
Tgt Ion:152 Resp: 151733

Ion Ratio Lower Upper

152 100

115 66.5 40.1 120.3

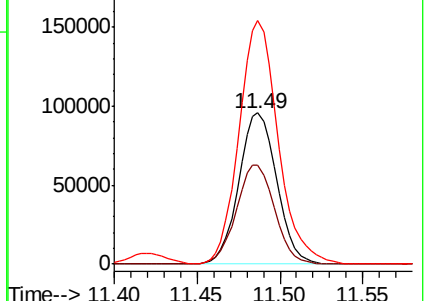
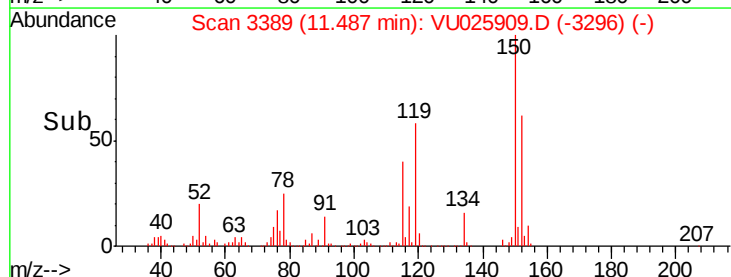
150 166.9 0.0 351.4

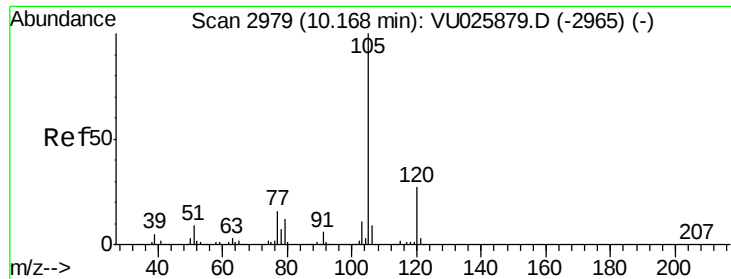


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.95 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 105 Resp: 216922

Ion Ratio Lower Upper

105 100

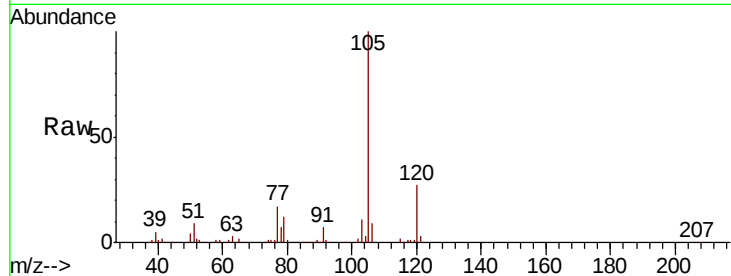
120 26.5 13.5 40.5

Manual Integrations

APPROVED

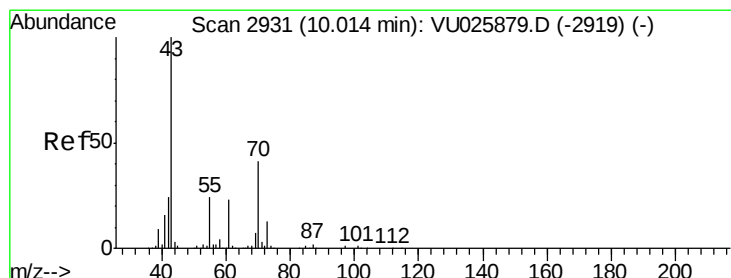
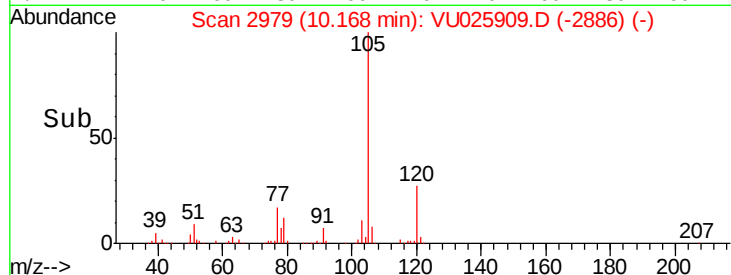
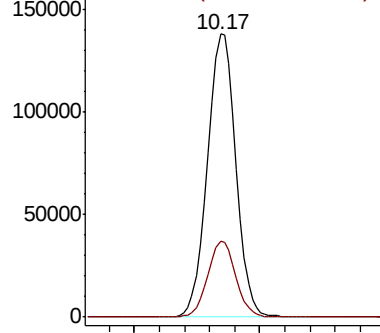
MMDadoda

8/20/2018 5:45:33 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.07 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion: 43 Resp: 89078

Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 23.4 19.0 28.6

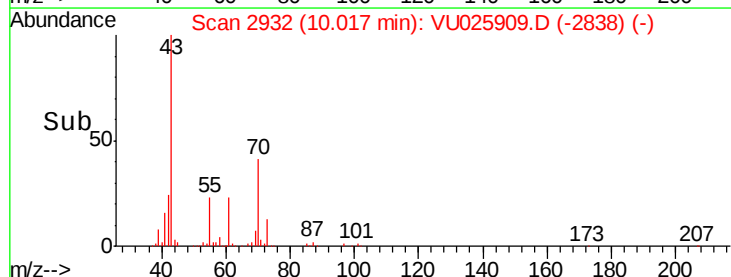
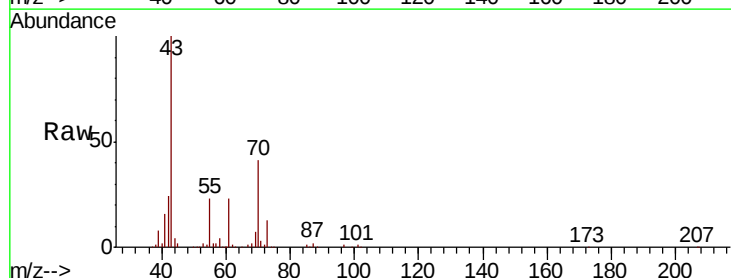
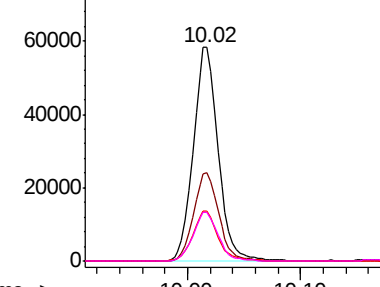
61 22.9 19.3 28.9

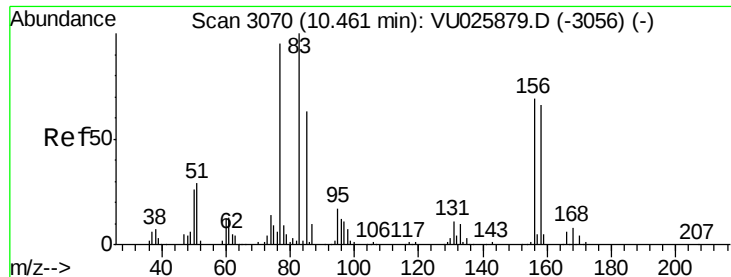
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.64 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 83 Resp: 73928

Ion Ratio Lower Upper

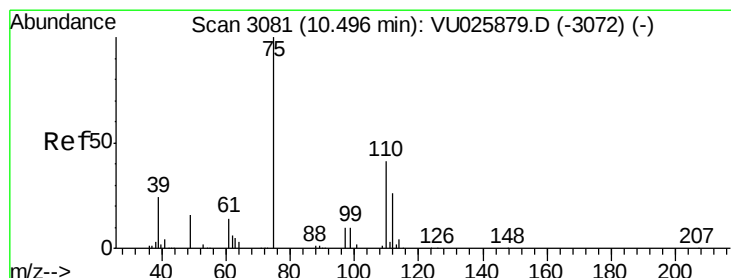
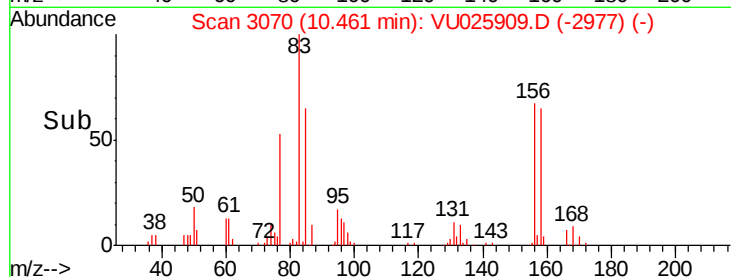
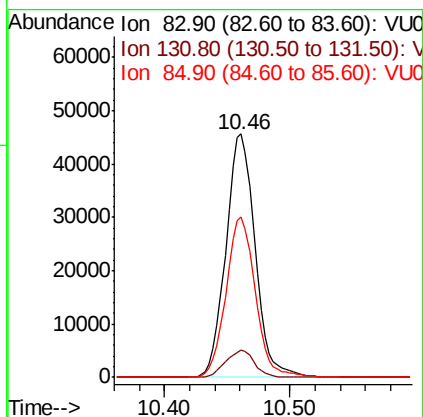
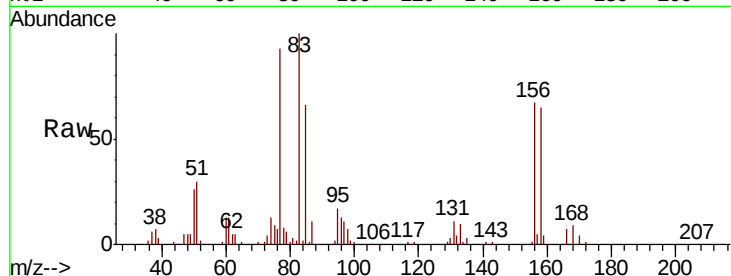
83 100

131 10.7 5.5 16.4

85 66.0 31.6 94.8

Manual Integrations
APPROVED

MMDadoda
8/20/2018 5:45:33 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: VU025909.D

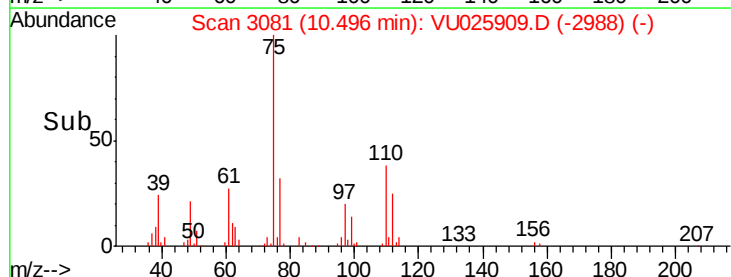
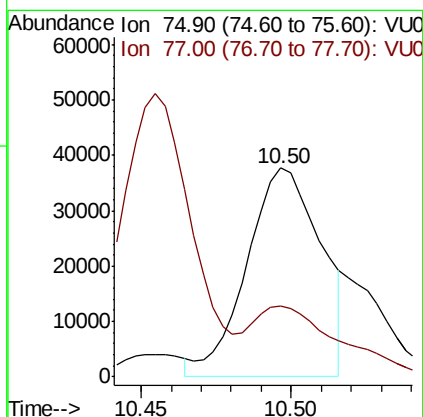
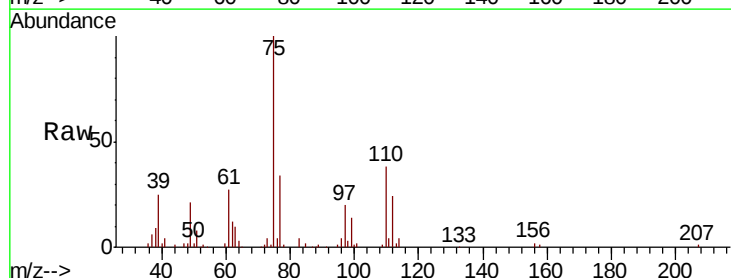
Acq: 07 Aug 2018 01:07

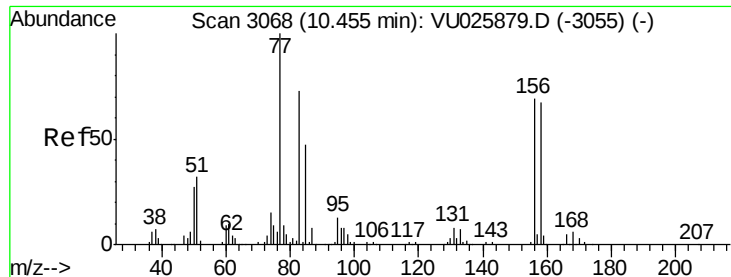
Tgt Ion: 75 Resp: 64984

Ion Ratio Lower Upper

75 100

77 39.9 20.4 61.3





#77

Bromobenzene

Concen: 20.12 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion:156 Resp: 57482

Ion Ratio Lower Upper

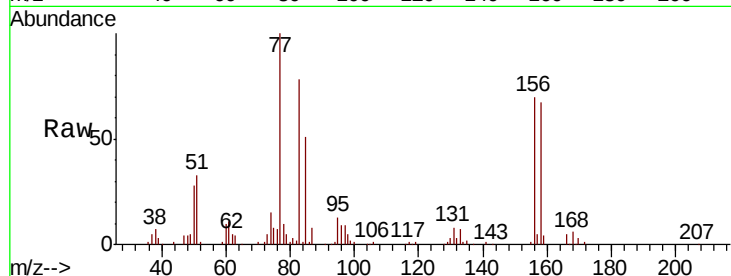
156 100

77 145.2 73.8 221.4

158 97.4 48.0 144.0

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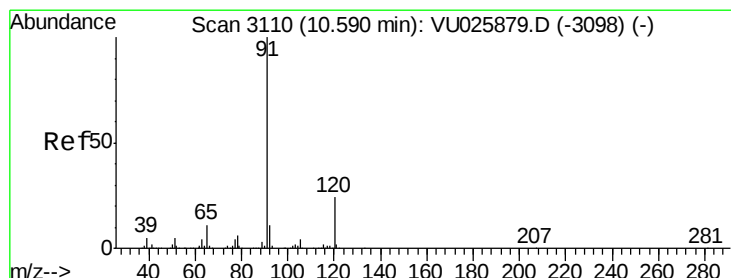
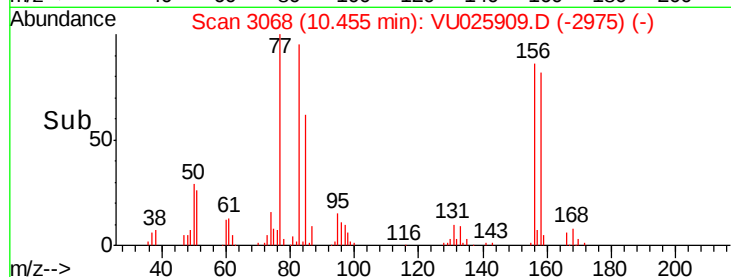
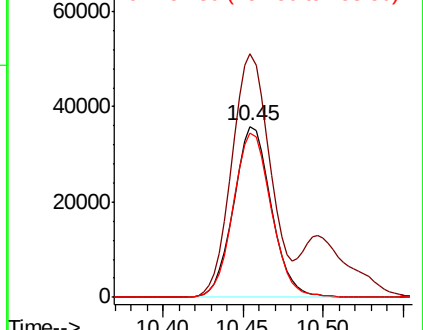
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.57 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025909.D

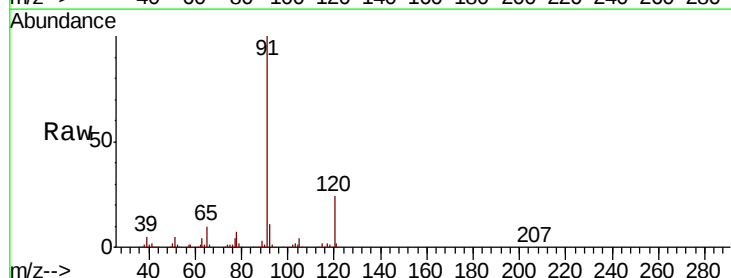
Acq: 07 Aug 2018 01:07

Tgt Ion: 91 Resp: 248607

Ion Ratio Lower Upper

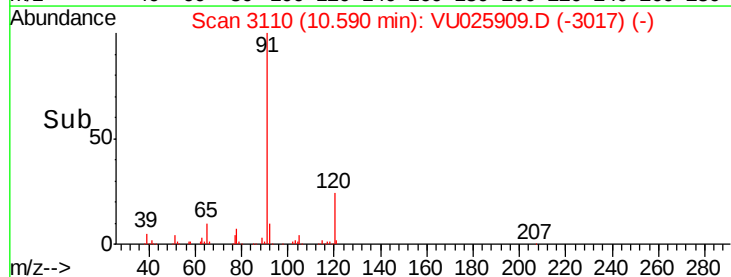
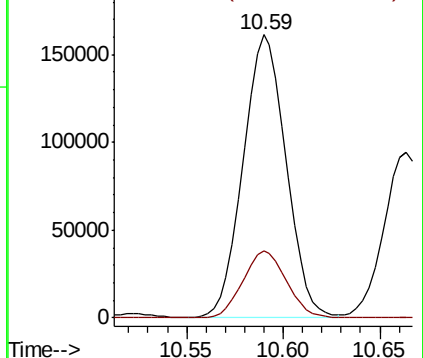
91 100

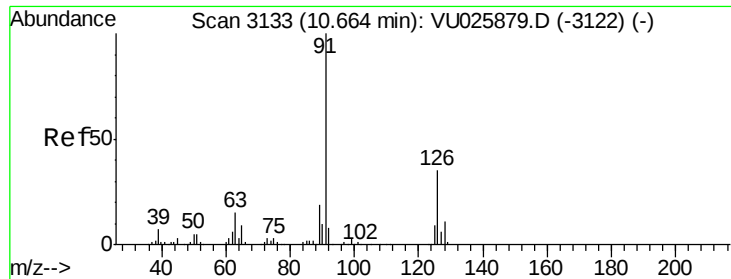
120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion: 91 Resp: 150707

Ion Ratio Lower Upper

91 100

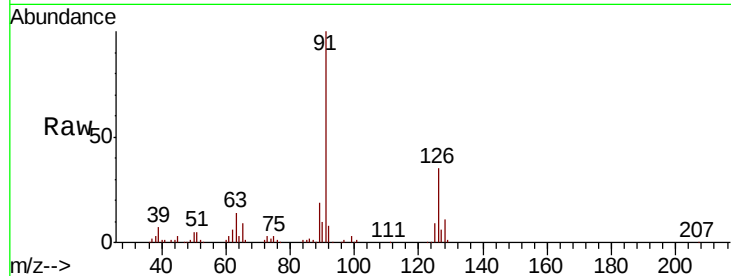
126 35.2 17.5 52.6

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

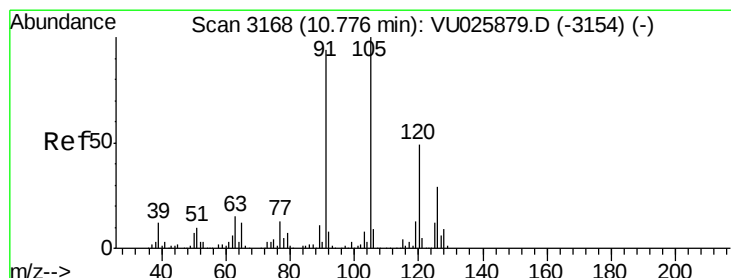
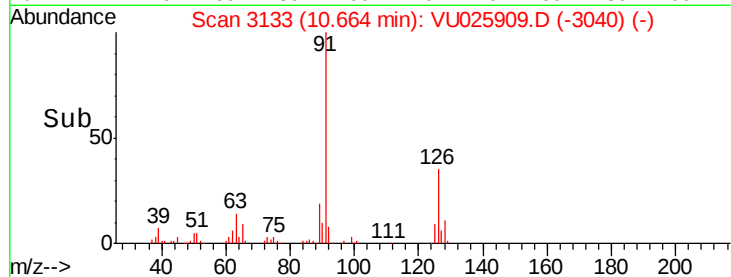
100000

50000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.94 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025909.D

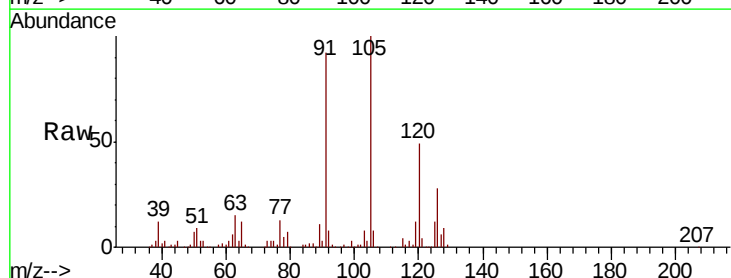
Acq: 07 Aug 2018 01:07

Tgt Ion:105 Resp: 184210

Ion Ratio Lower Upper

105 100

120 48.6 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) (-)

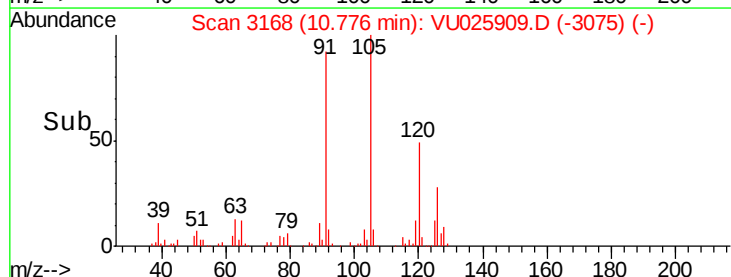
100000

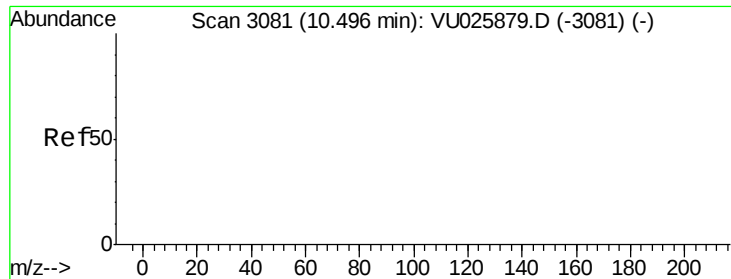
50000

0

10.70 10.80

Time-->





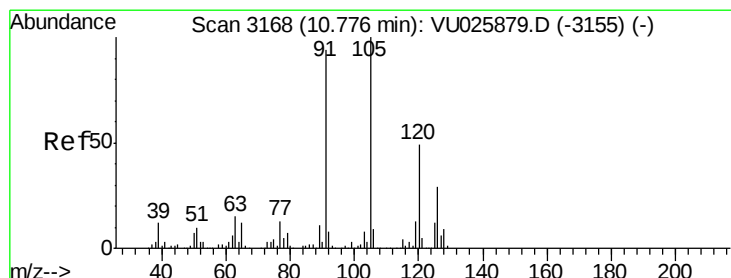
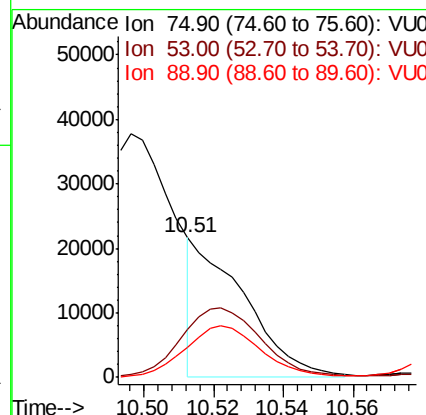
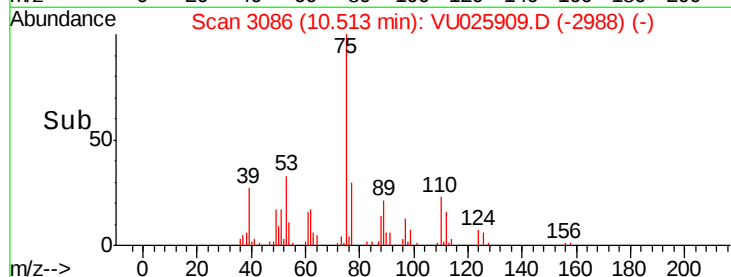
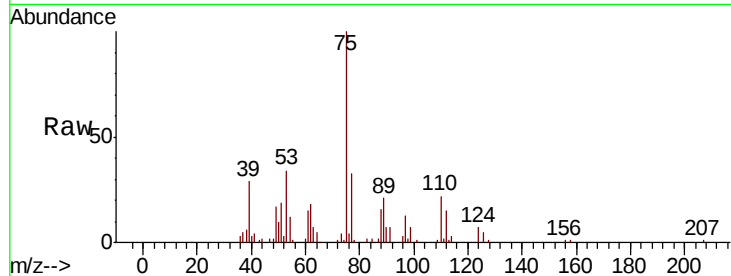
#81
trans-1,4-Dichloro-2-butene
Concen: 16.45 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

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

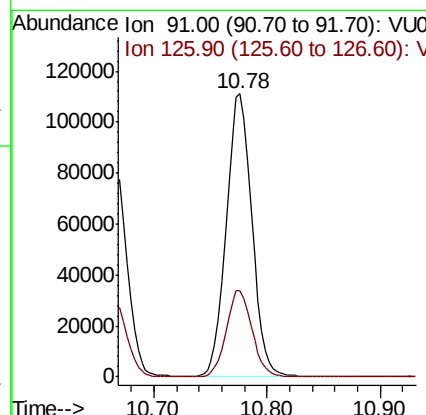
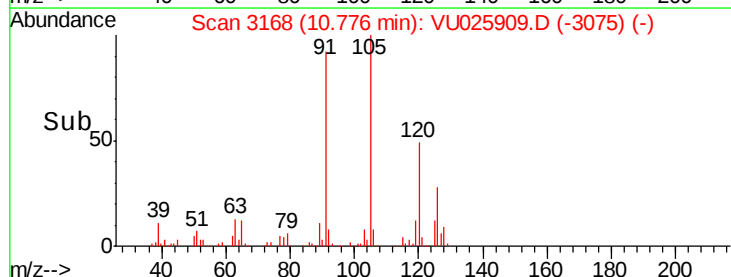
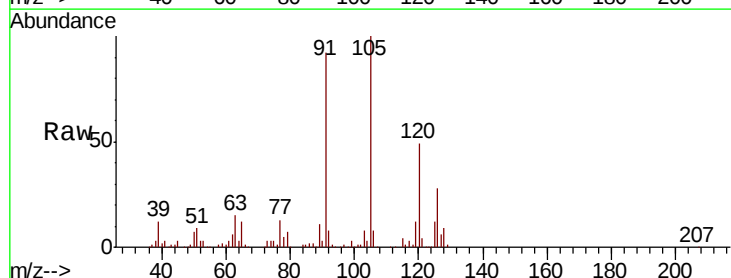
Manual Integrations
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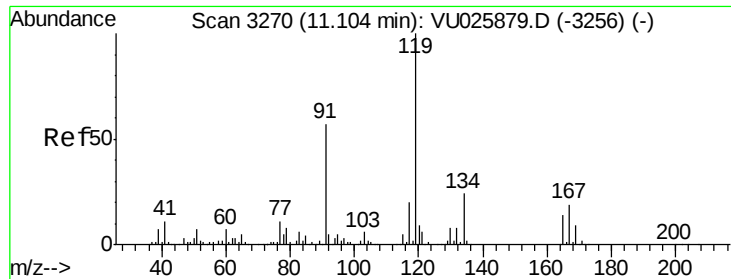
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.06 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.9





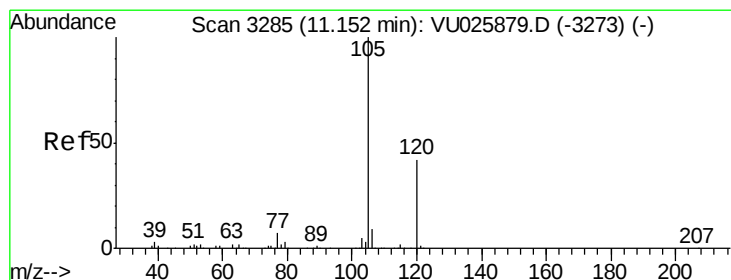
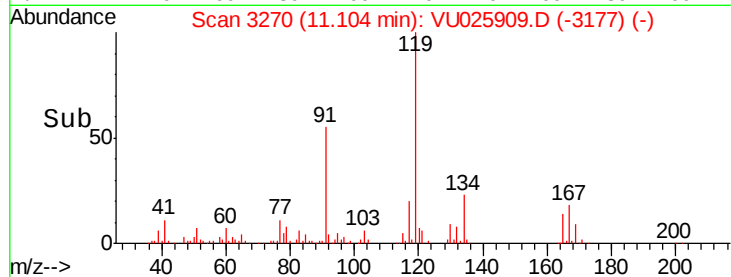
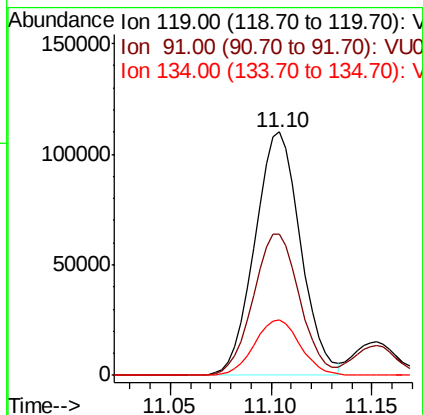
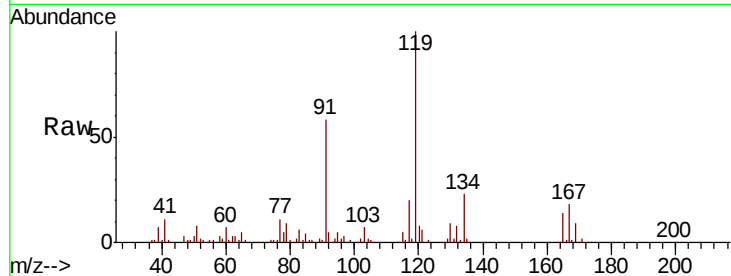
#83
 tert-Butylbenzene
 Concen: 19.95 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	174299		
91	58.9	29.7	89.1	
134	22.9	11.5	34.5	

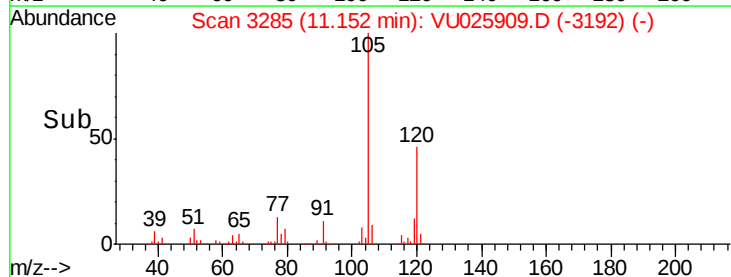
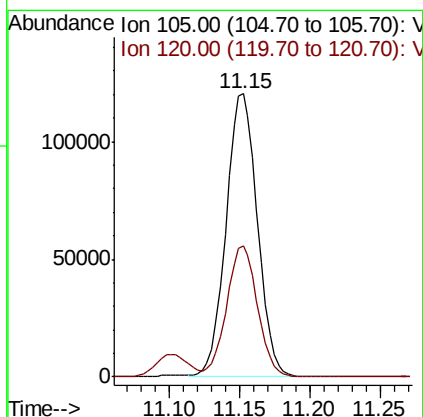
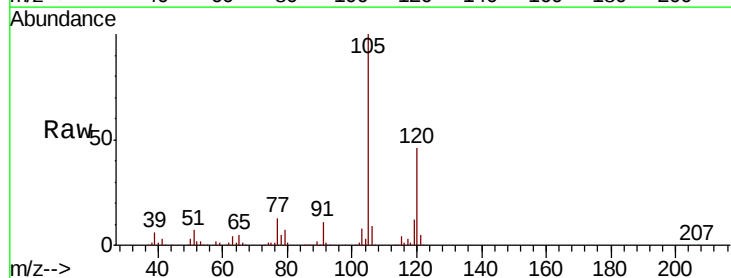
Manual Integrations
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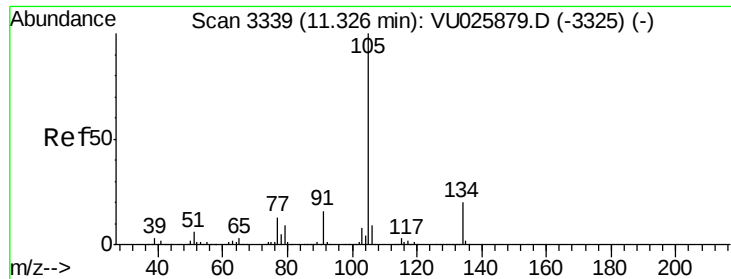
MMDadoda
 8/20/2018 5:45:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187295		
120	45.4	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.03 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBS02

Tot Ion:105 Resp: 213731

Ion Ratio Lower Upper

105 100

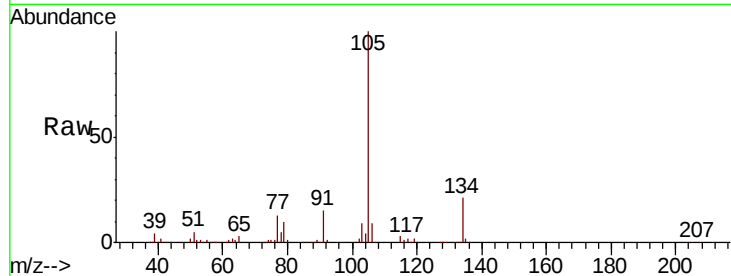
134 20.5 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

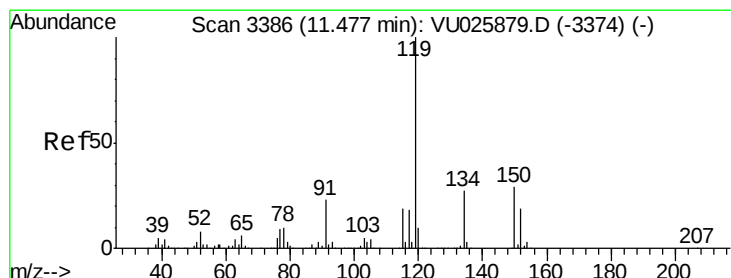
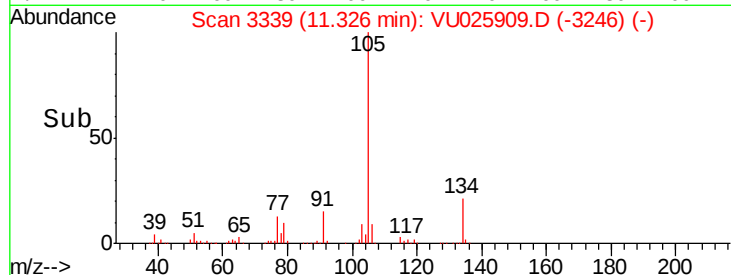
150000

100000

50000

0

Time--> 11.25 11.30 11.35



#86

p-Isopropyltoluene

Concen: 20.17 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

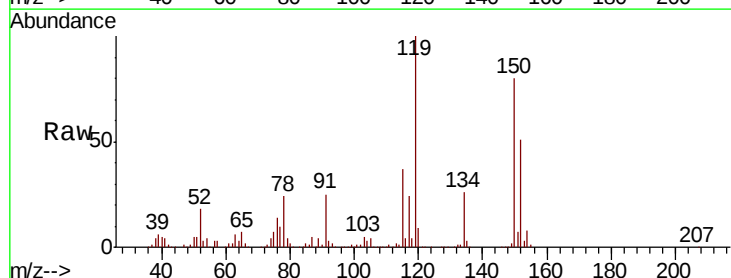
Tgt Ion:119 Resp: 192662

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 24.6 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

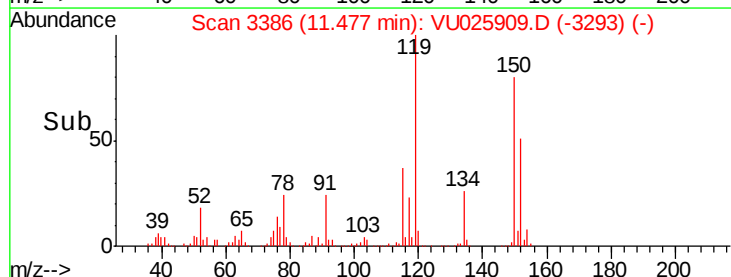
150000

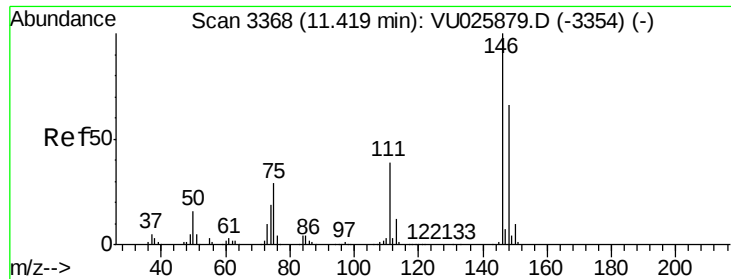
100000

50000

0

Time--> 11.40 11.50





#87

1,3-Dichlorobenzene

Concen: 20.15 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

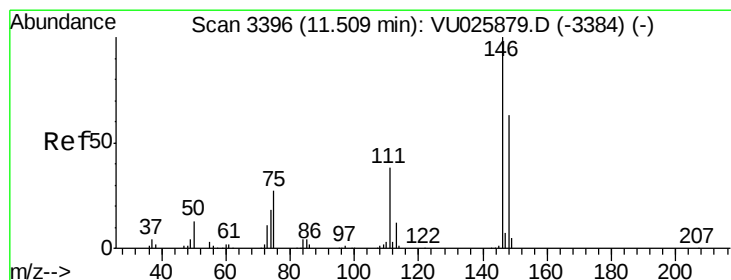
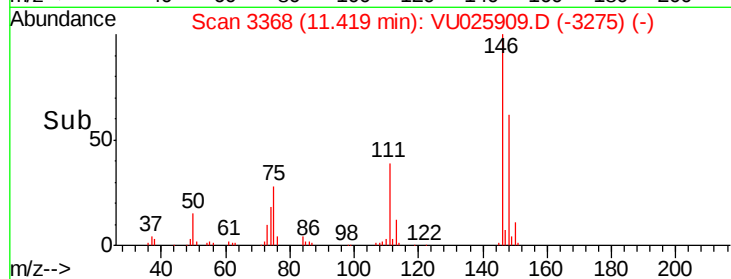
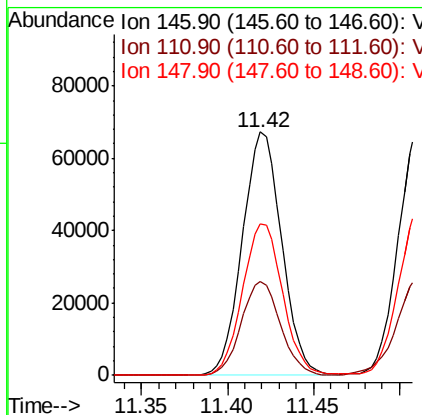
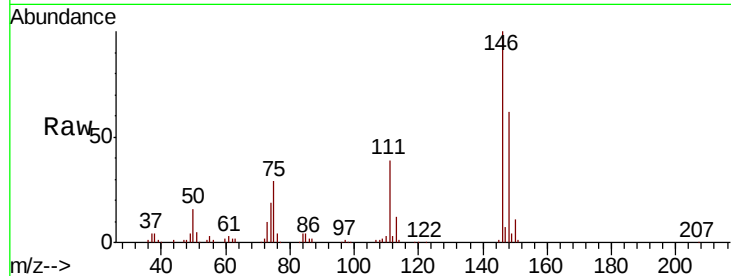
ClientSampleId :

VU0806WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	63.2	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.32 ug/l

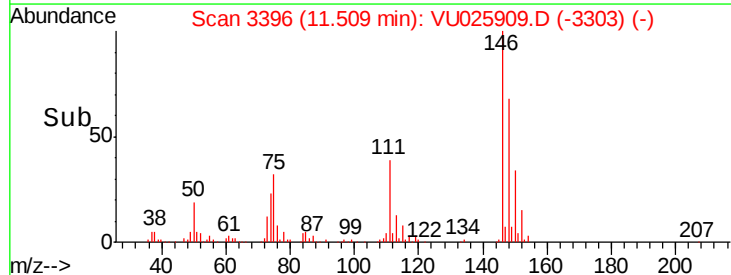
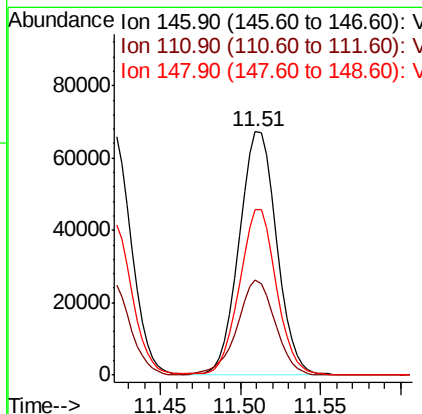
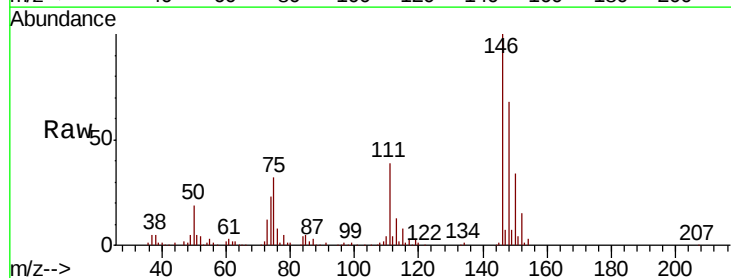
RT: 11.51 min Scan# 3396

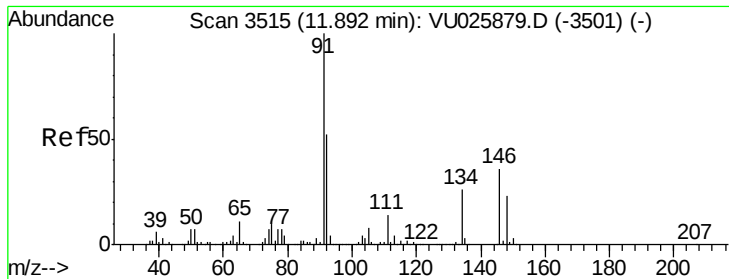
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.1
148	67.5	31.7	95.1





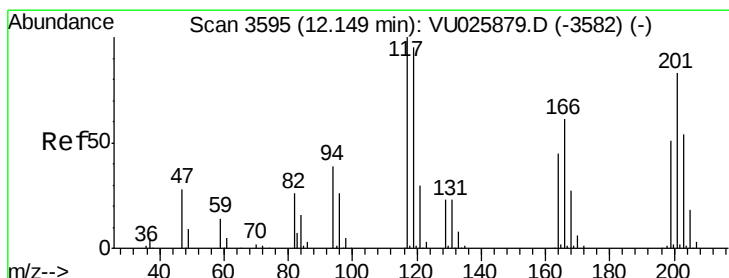
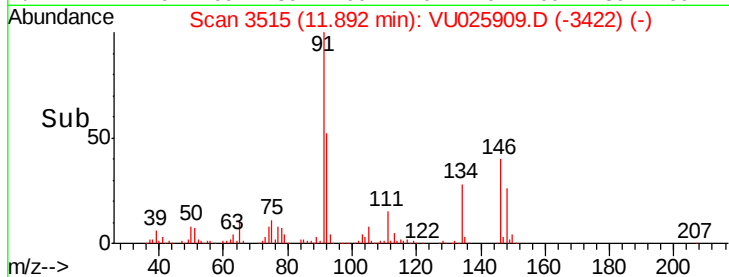
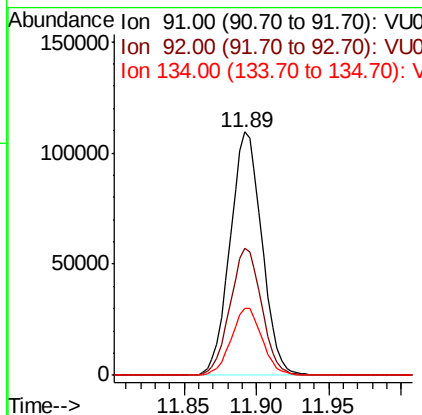
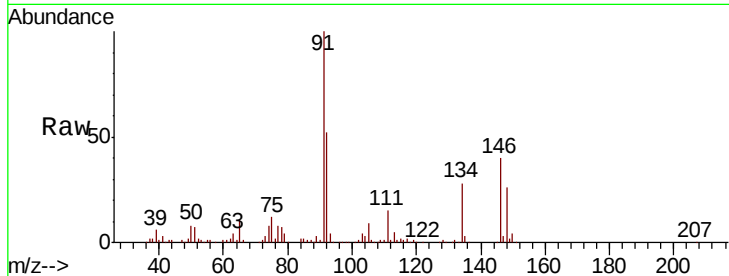
#89
n-Butylbenzene
Concen: 18.87 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.5	79.5
134	27.0	13.6	40.7

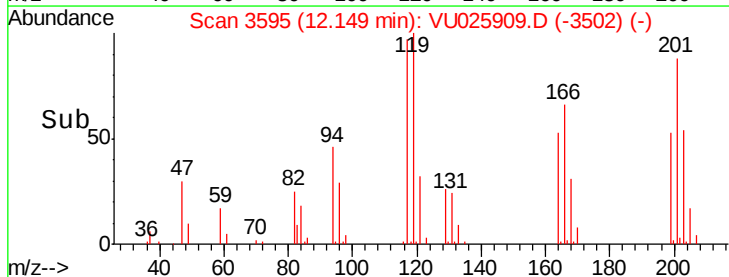
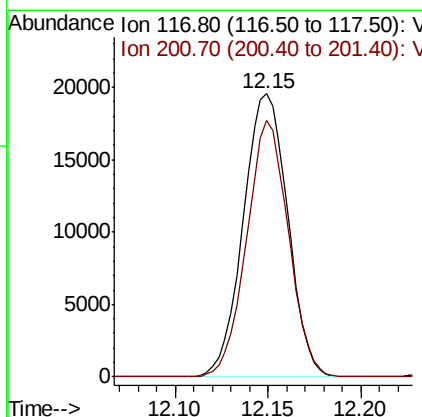
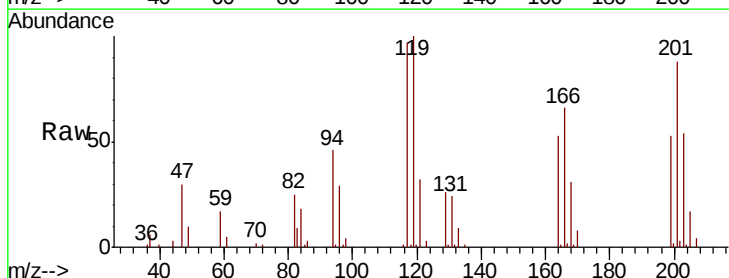
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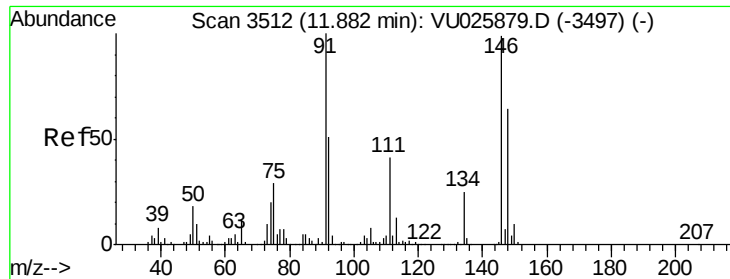
MMDadoda
8/20/2018 5:45:33 PM



#90
Hexachloroethane
Concen: 19.12 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.39 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Instrument :

MSVOA_U

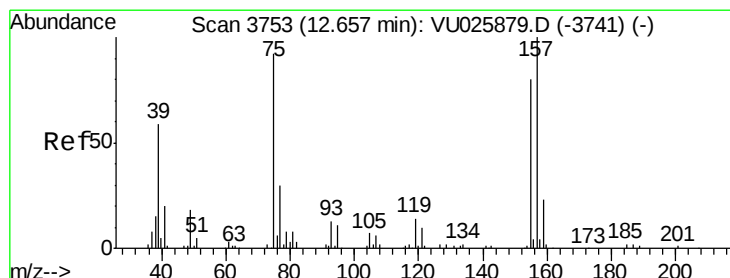
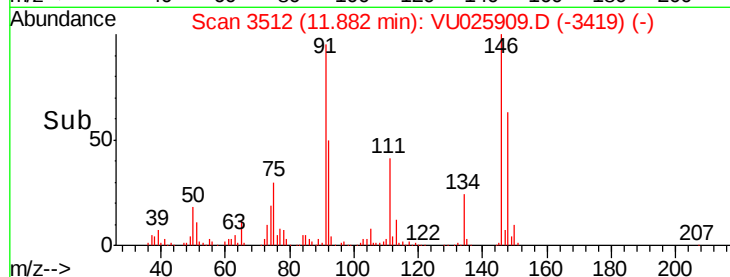
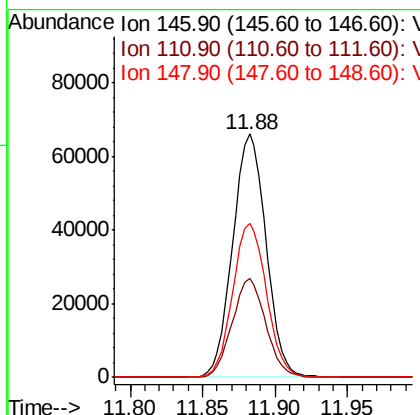
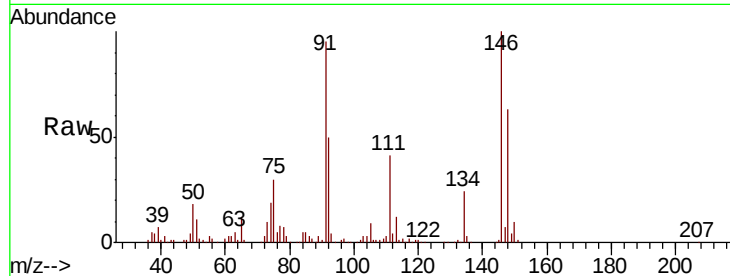
ClientSampleId :

VU0806WBS02

Tot Ion:	146	Resp:	105975
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.6	61.8
148	63.9	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.25 ug/l

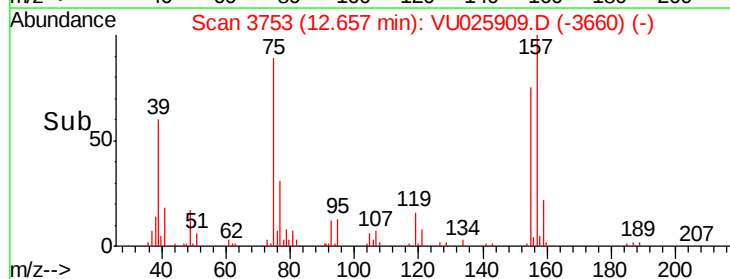
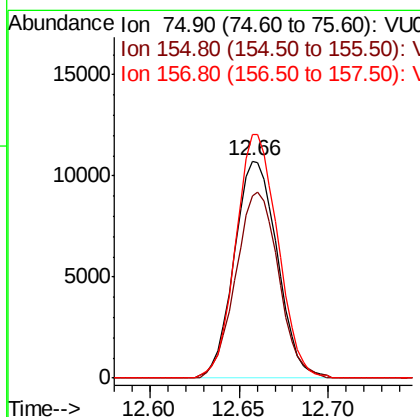
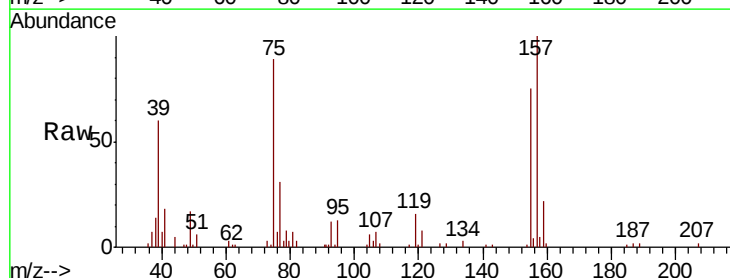
RT: 12.66 min Scan# 3753

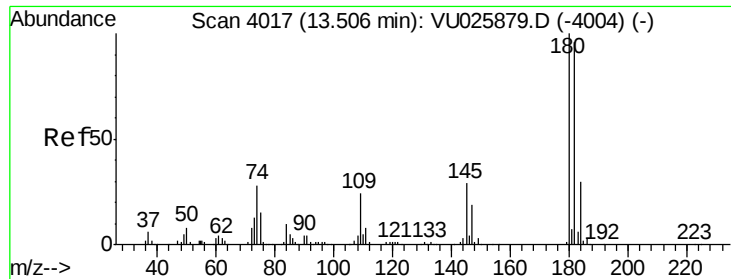
Delta R.T. 0.00 min

Lab File: VU025909.D

Acq: 07 Aug 2018 01:07

Tgt Ion:	75	Resp:	18044
Ion Ratio	Lower	Upper	
75	100		
155	85.2	44.5	133.3
157	109.6	57.0	170.8





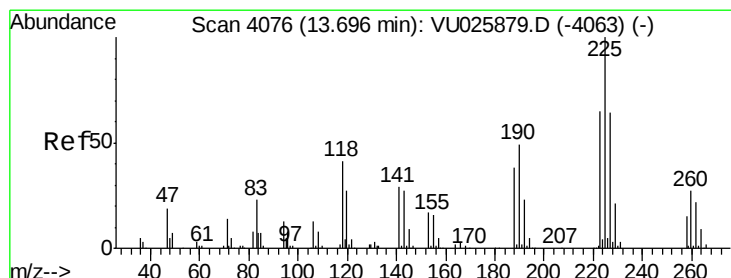
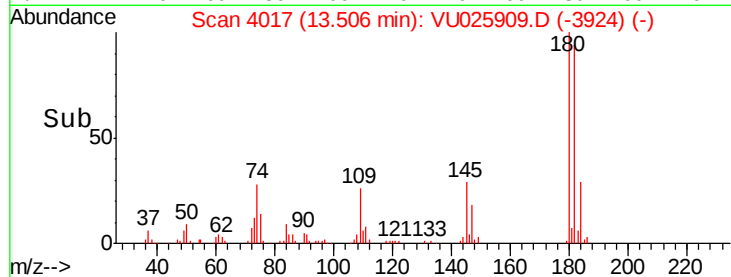
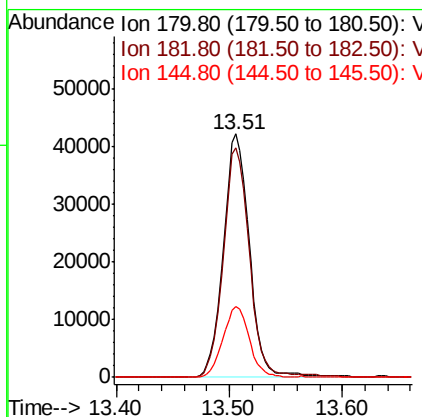
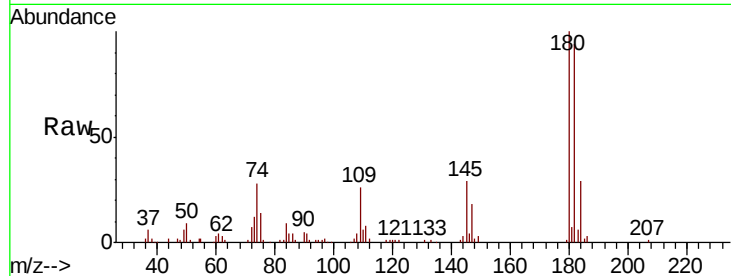
#93
 1,2,4-Trichlorobenzene
 Concen: 19.30 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	67690		
182	95.0		47.3	141.9
145	29.3		14.9	44.7

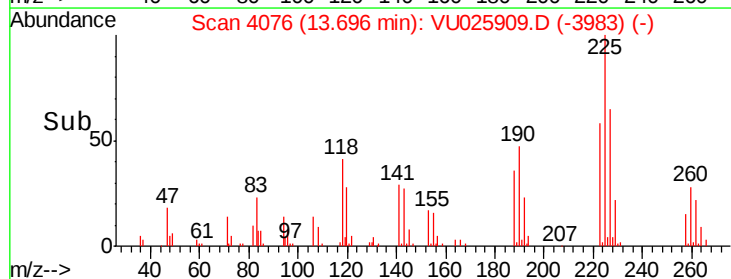
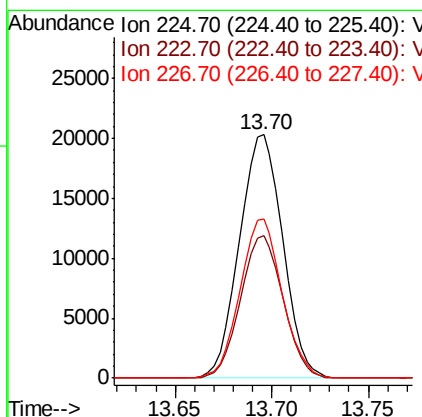
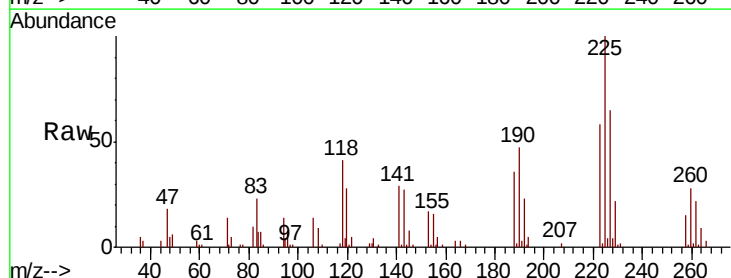
Manual Integrations
 APPROVED

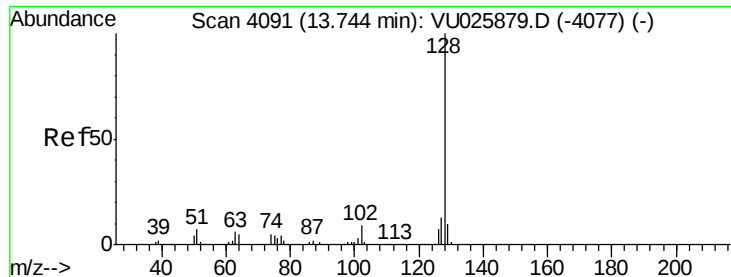
MMDadoda
 8/20/2018 5:45:33 PM



#94
 Hexachlorobutadiene
 Concen: 17.14 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025909.D
 Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31697		
223	57.2		31.9	95.7
227	63.2		32.3	96.9





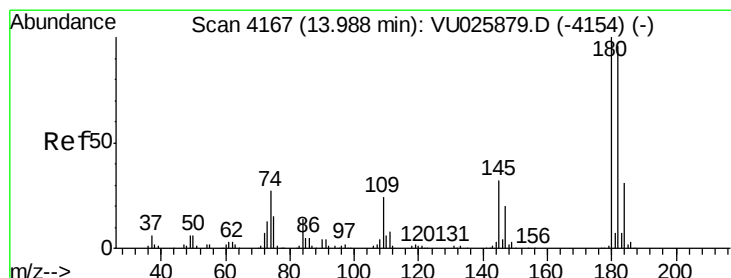
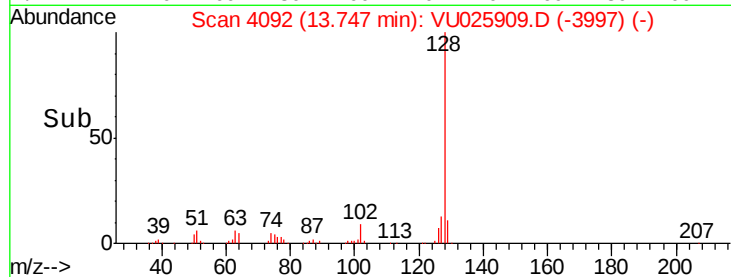
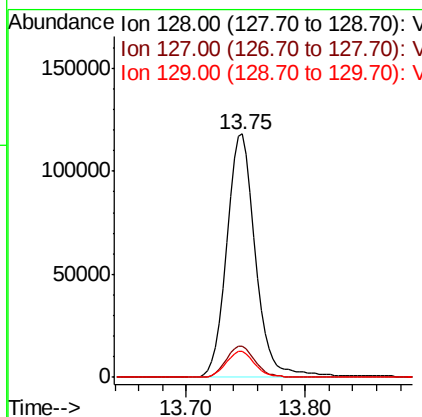
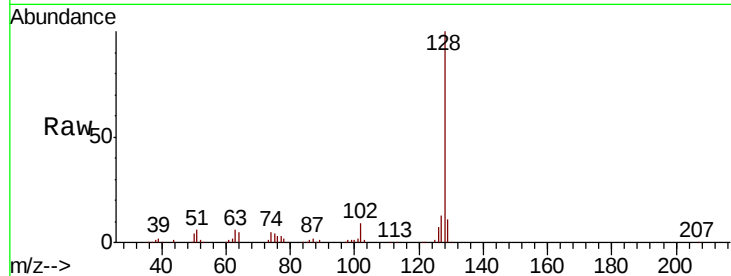
#95
Naphthalene
Concen: 18.39 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Instrument :
MSVOA_U
ClientSampleId :
VU0806WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/20/2018 5:45:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.40 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025909.D
Acq: 07 Aug 2018 01:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	47.8	143.3
145	31.0	15.6	46.8

