

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025904.D
 Acq On : 06 Aug 2018 22:23
 Operator : MD/SY
 Sample : J4263-13MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:44 PM

Quant Time: Aug 07 04:20:37 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	182214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274482	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	140633	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	4.89	113	115916	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	7.57	98	411506	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	10.31	95	157821	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	104255	37.86	ug/l	99
3) Chloromethane	1.33	50	103559	39.34	ug/l	99
4) Vinyl Chloride	1.40	62	114335	46.16	ug/l	97
5) Bromomethane	1.63	94	59993	49.59	ug/l	100
6) Chloroethane	1.70	64	71095	49.08	ug/l	99
7) Trichlorofluoromethane	1.89	101	170388	47.57	ug/l	99
8) Diethyl Ether	2.10	74	62803	48.46	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99628	48.07	ug/l	99
10) Methyl Iodide	2.41	142	85562	45.25	ug/l	99
11) Tert butyl alcohol	2.83	59	144461	232.41	ug/l	99
12) 1,1-Dichloroethene	2.28	96	96035	49.09	ug/l	95
13) Acrolein	2.19	56	91564	408.04	ug/l	99
14) Allyl chloride	2.59	41	164153	46.69	ug/l	99
15) Acrylonitrile	2.94	53	330255	266.11	ug/l	98
16) Acetone	2.32	43	368536	266.25	ug/l	98
17) Carbon Disulfide	2.48	76	306219	48.36	ug/l	99
18) Methyl Acetate	2.62	43	146340	43.93	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	371533	52.40	ug/l	# 89
20) Methylene Chloride	2.70	84	117012	47.70	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	112199	49.61	ug/l	99
22) Diisopropyl ether	3.58	45	359560	51.90	ug/l	94
23) Vinyl Acetate	3.53	43	1551062	256.89	ug/l	100
24) 1,1-Dichloroethane	3.45	63	212722	51.15	ug/l	99
25) 2-Butanone	4.27	43	584122	310.00	ug/l	100
26) 2,2-Dichloropropane	4.23	77	160548	42.47	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	129208	50.67	ug/l	96
28) Bromochloromethane	4.55	49	92504	49.75	ug/l	99
29) Tetrahydrofuran	4.64	42	294749	261.10	ug/l	99
30) Chloroform	4.68	83	219048	49.90	ug/l	98
31) Cyclohexane	5.00	56	187804	51.97	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	201761	51.05	ug/l	99
36) 1,1-Dichloropropene	5.14	75	162146	50.55	ug/l	98
37) Ethyl Acetate	4.38	43	168519	50.67	ug/l	99
38) Carbon Tetrachloride	5.14	117	182854	50.33	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182295	49.60	ug/l	98
40) Benzene	5.39	78	477413	50.92	ug/l	98
41) Methacrylonitrile	4.54	41	98034	53.07	ug/l	98
42) 1,2-Dichloroethane	5.41	62	182099	50.44	ug/l	100
43) Isopropyl Acetate	5.55	43	279892	50.92	ug/l	99
44) Trichloroethene	6.19	130	129548	49.61	ug/l	100
45) 1,2-Dichloropropane	6.44	63	124268	50.82	ug/l	97
46) Dibromomethane	6.56	93	89966	50.77	ug/l	100
47) Bromodichloromethane	6.76	83	172495	51.04	ug/l	96
48) Methyl methacrylate	6.63	41	141304	52.45	ug/l	97
49) 1,4-Dioxane	6.62	88	59459	907.02	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1126269	327.30	ug/l	100
52) Toluene	7.64	92	300508	51.59	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	193116	50.89	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	195379	50.12	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	127571	52.70	ug/l	98
56) Ethyl methacrylate	8.02	69	188025	54.36	ug/l	97
57) 1,3-Dichloropropane	8.25	76	208176	51.14	ug/l	100
59) 2-Hexanone	8.36	43	872169	323.34	ug/l	98
60) Dibromochloromethane	8.48	129	146934	51.47	ug/l	100
61) 1,2-Dibromoethane	8.59	107	137712	51.15	ug/l	100
64) Tetrachloroethene	8.23	164	112198	47.17	ug/l	97
65) Chlorobenzene	9.12	112	346313	49.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	129066	51.21	ug/l	98
67) Ethyl Benzene	9.25	91	1147348	99.43	ug/l	100
68) m/p-Xylenes	9.38	106	677516	152.93	ug/l	99
69) o-Xylene	9.78	106	227365	52.51	ug/l	100
70) Styrene	9.80	104	369633	52.85	ug/l	98
71) Bromoform	9.96	173	114860	52.56	ug/l #	98
73) Isopropylbenzene	10.17	105	651038	56.66	ug/l	100
74) N-amyl acetate	10.01	43	245560	52.35	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	200262	50.40	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	167516m	45.16	ug/l	
77) Bromobenzene	10.45	156	162988	51.43	ug/l	97
78) n-propylbenzene	10.59	91	795111	59.29	ug/l	99
79) 2-Chlorotoluene	10.66	91	399300	50.84	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	602760	61.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	63828m	43.15	ug/l	
82) 4-Chlorotoluene	10.78	91	497403	53.72	ug/l	99
83) tert-Butylbenzene	11.10	119	504938	52.08	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1235845	124.98	ug/l	98
85) sec-Butylbenzene	11.33	105	615657	52.01	ug/l	100
86) p-Isopropyltoluene	11.48	119	555506	52.41	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	294093	50.00	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	301876	49.23	ug/l	99
89) n-Butylbenzene	11.89	91	493758	50.48	ug/l	97
90) Hexachloroethane	12.15	117	104492	55.45	ug/l	89
91) 1,2-Dichlorobenzene	11.88	146	291735	50.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51109	54.26	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	208148	53.49	ug/l	99

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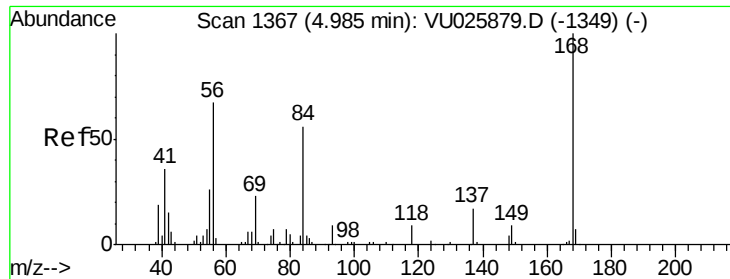
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	87381	42.60	ug/l	100
95) Naphthalene	13.74	128	733642	58.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	210727	54.28	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampled :

FL-0519MSD

Tot Ion:168 Resp: 182214

Ion Ratio Lower Upper

168 100

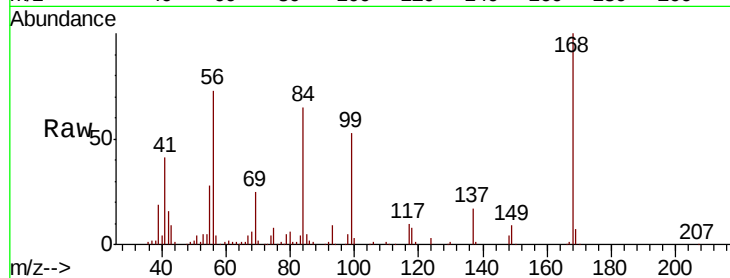
99 53.2 42.8 64.2

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

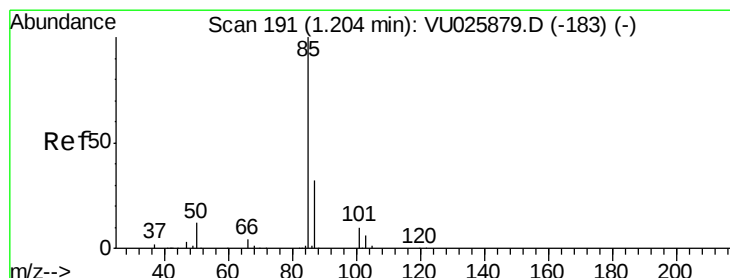
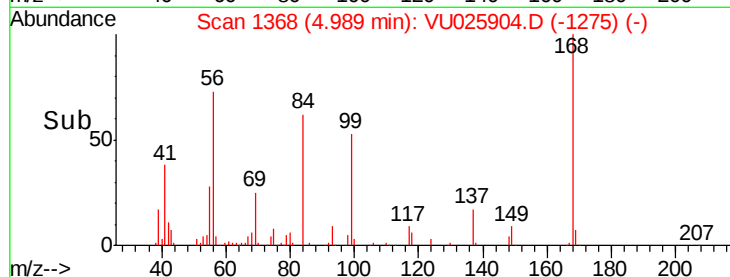
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 37.86 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025904.D

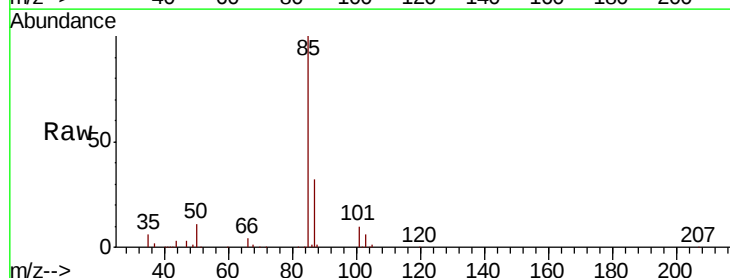
Acq: 06 Aug 2018 22:23

Tgt Ion: 85 Resp: 104255

Ion Ratio Lower Upper

85 100

87 32.4 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

120000

100000

80000

60000

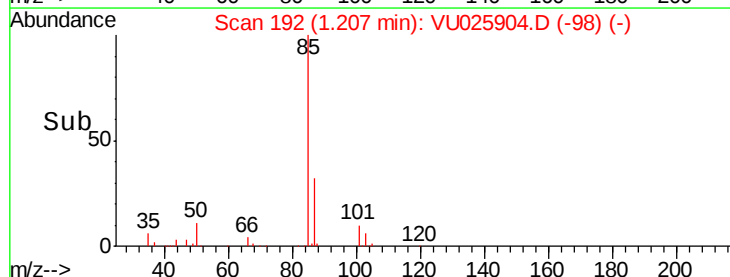
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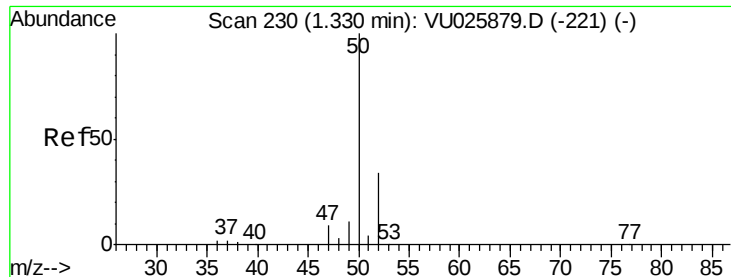
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 39.34 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion: 50 Resp: 103559

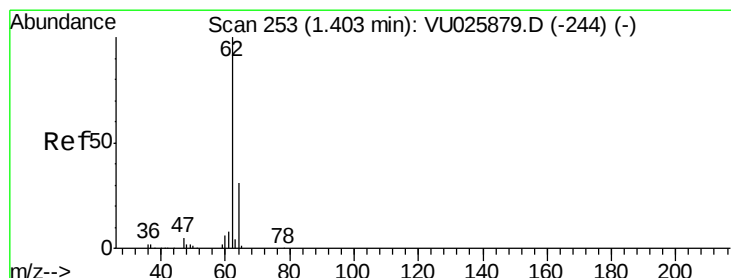
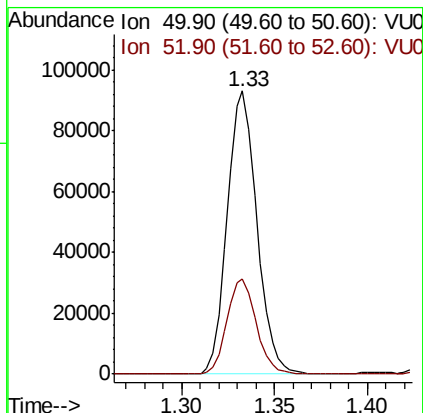
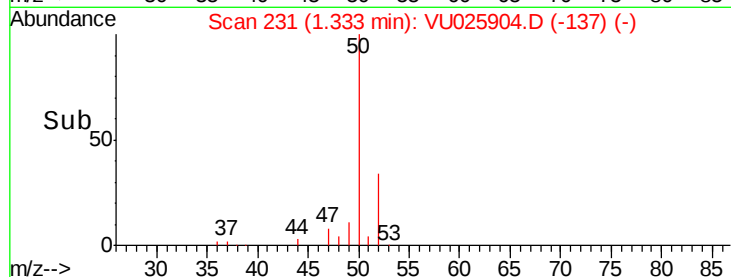
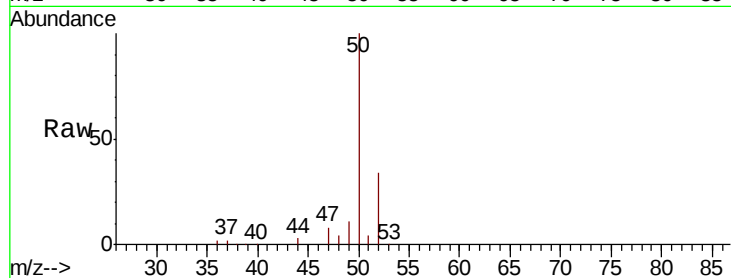
Ion Ratio Lower Upper

50 100

52 33.8 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.16 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025904.D

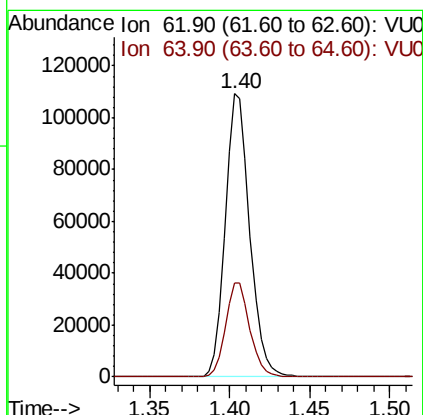
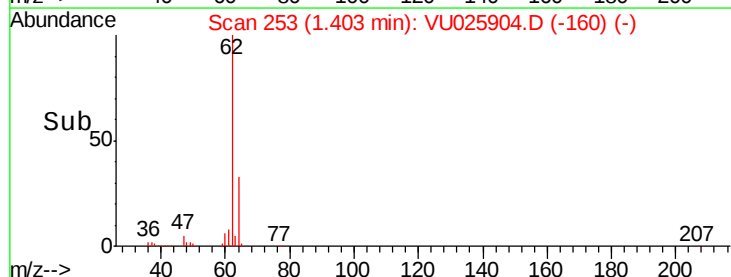
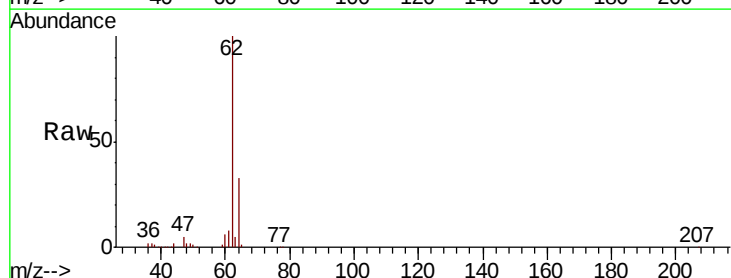
Acq: 06 Aug 2018 22:23

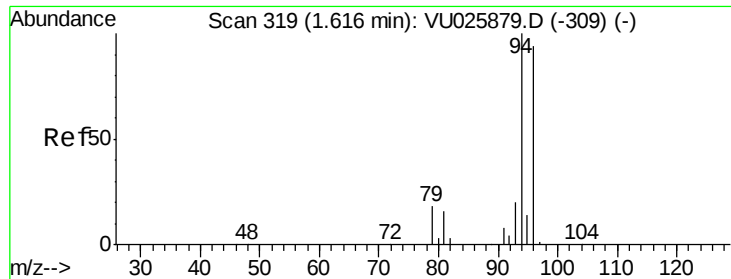
Tgt Ion: 62 Resp: 114335

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.0





#5

Bromomethane

Concen: 49.59 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampled :

FL-0519MSD

Tot Ion: 94 Resp: 59993

Ion Ratio Lower Upper

94 100

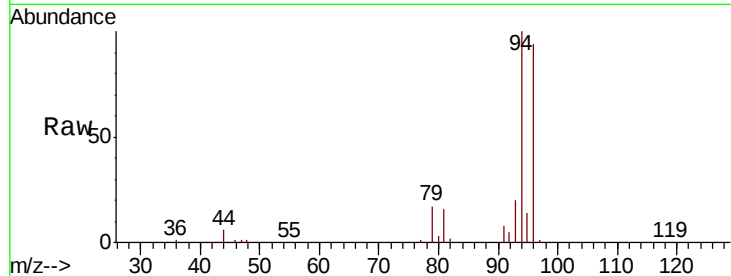
96 93.7 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU025879.D (-309) (-)

Ion 95.90 (95.60 to 96.60): VU025904.D (-227) (-)

1.63

50000

40000

30000

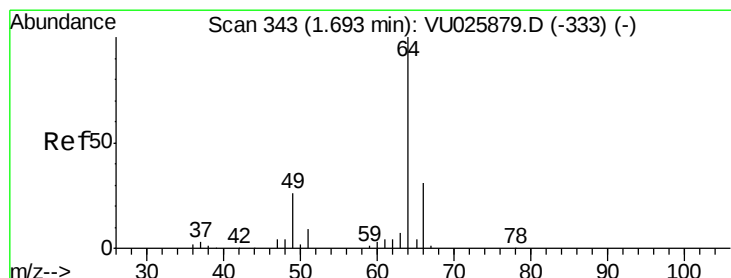
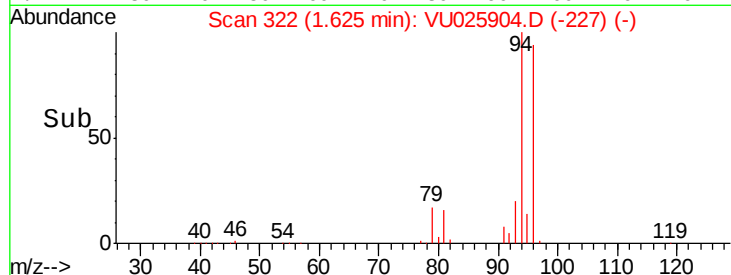
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10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.08 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025904.D

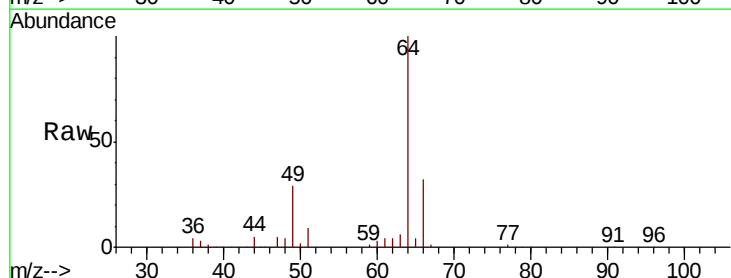
Acq: 06 Aug 2018 22:23

Tgt Ion: 64 Resp: 71095

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025879.D (-333) (-)

Ion 65.90 (65.60 to 66.60): VU025904.D (-250) (-)

1.70

60000

50000

40000

30000

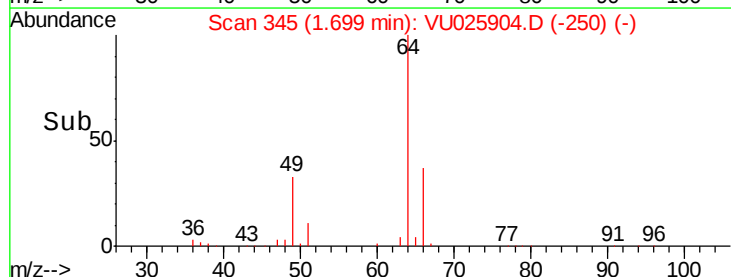
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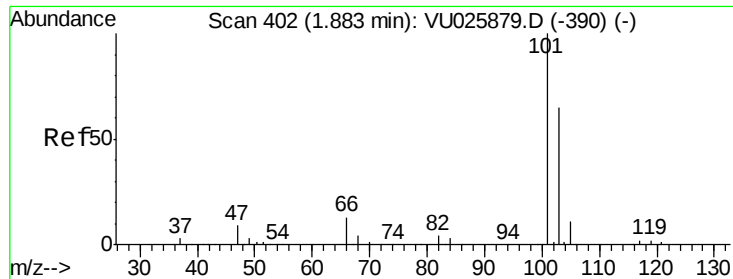
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Time-->

1.65 1.70 1.75





#7

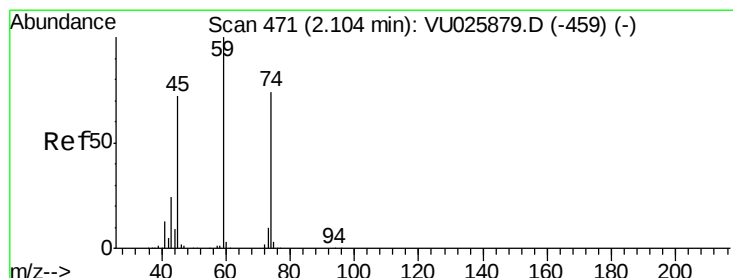
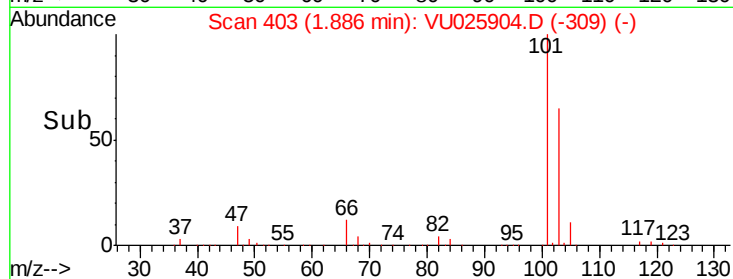
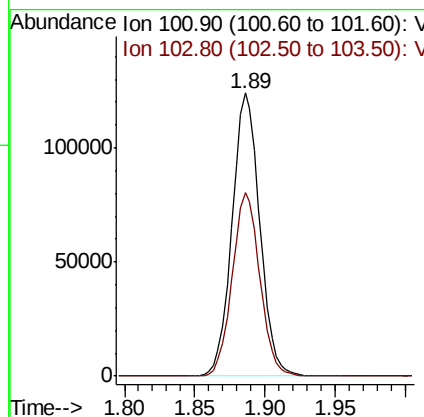
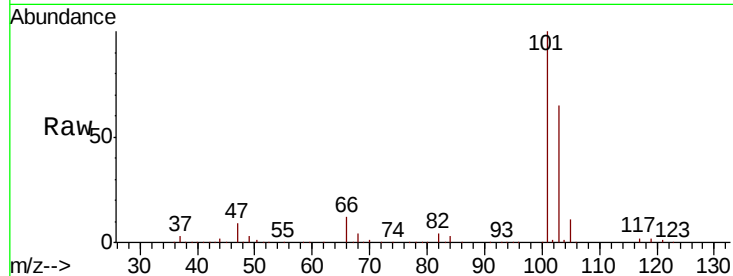
Trichlorofluoromethane
 Concen: 47.57 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

Manual Integrations
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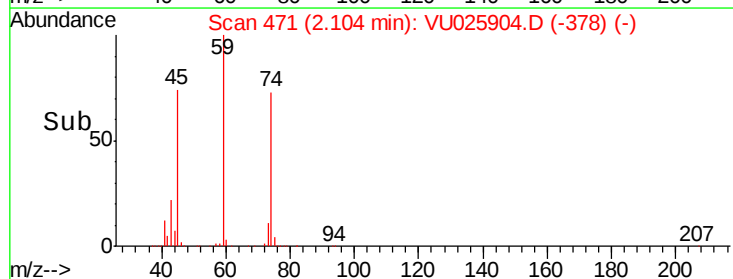
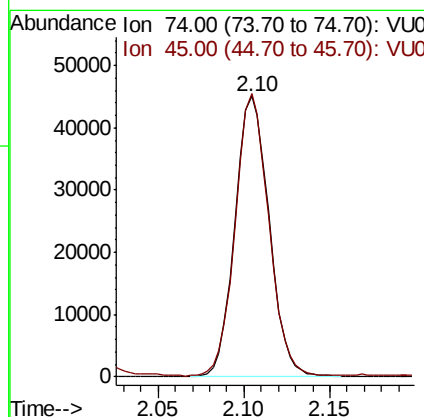
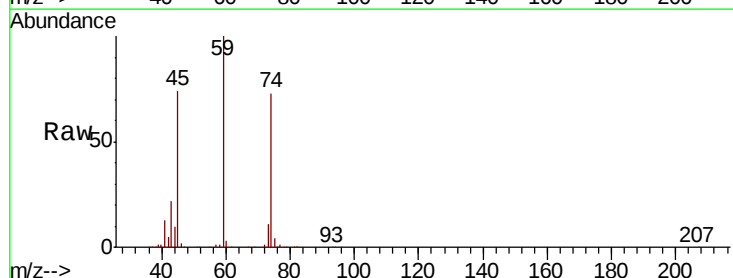
MMDadoda
 8/7/2018 1:51:44 PM

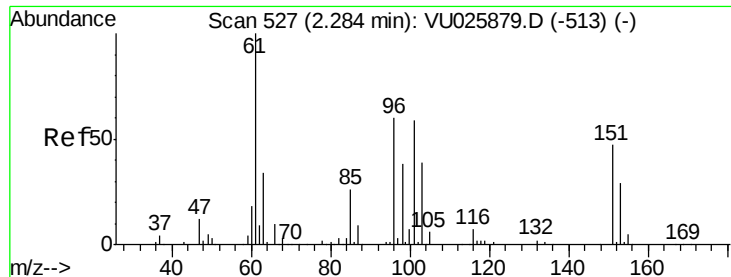


#8

Diethyl Ether
 Concen: 48.46 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.07 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

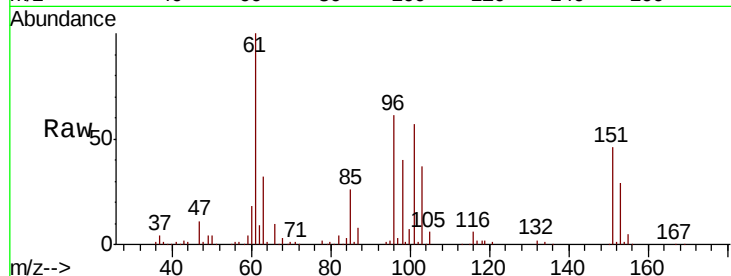
ClientSampleId :

FL-0519MSD

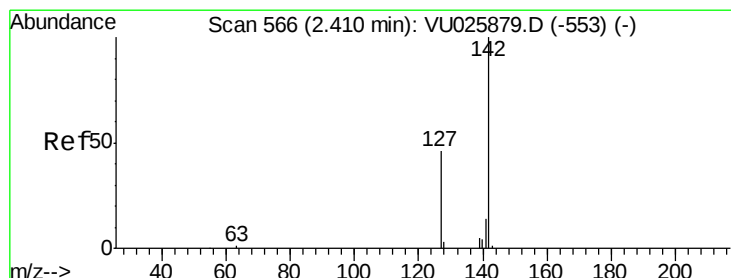
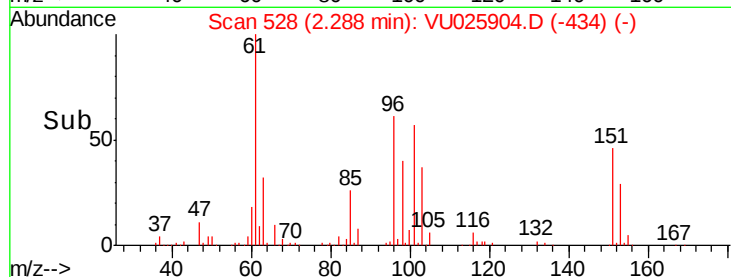
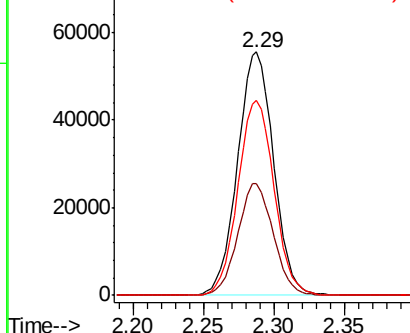
Tot Ion:	101	Resp:	99628
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	80.2	65.6	98.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.25 ug/l

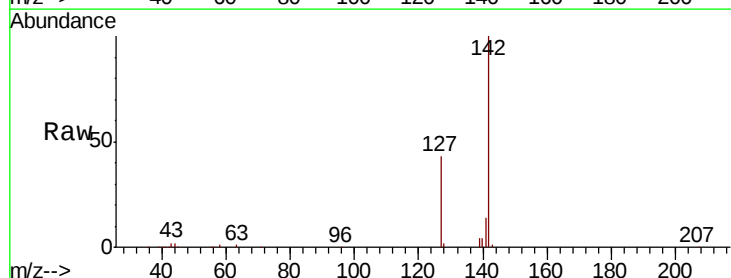
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

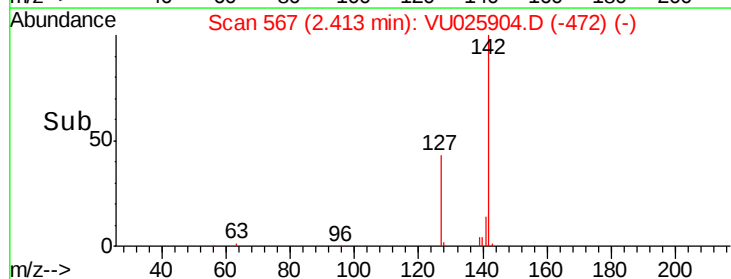
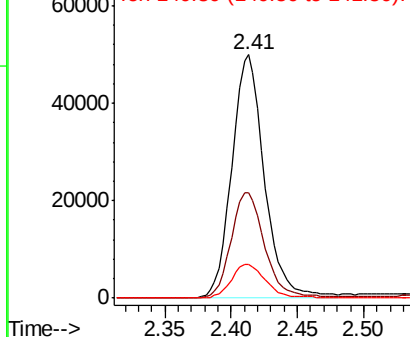
Lab File: VU025904.D

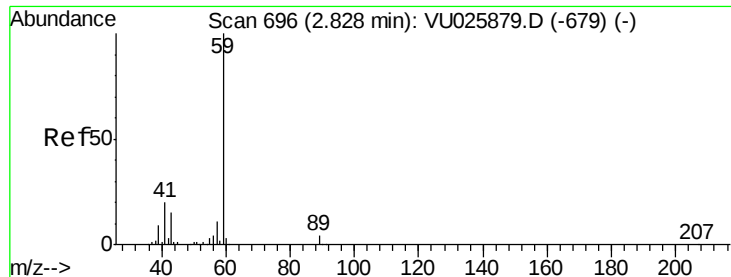
Acq: 06 Aug 2018 22:23

Tgt Ion:	142	Resp:	85562
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.5	54.7
141	14.7	11.4	17.2



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





#11

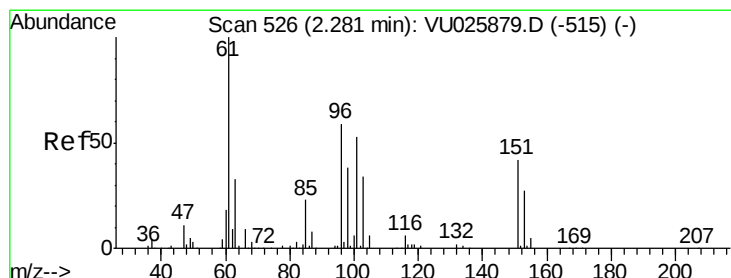
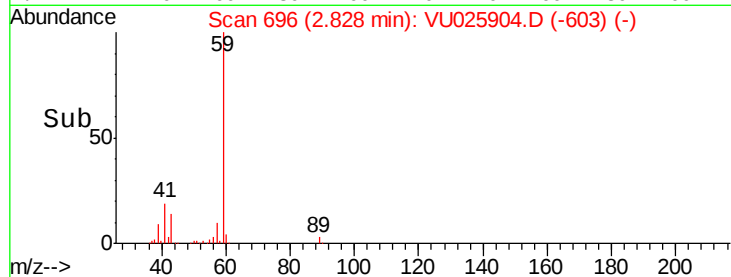
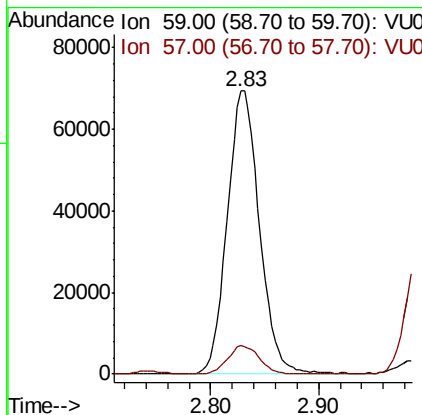
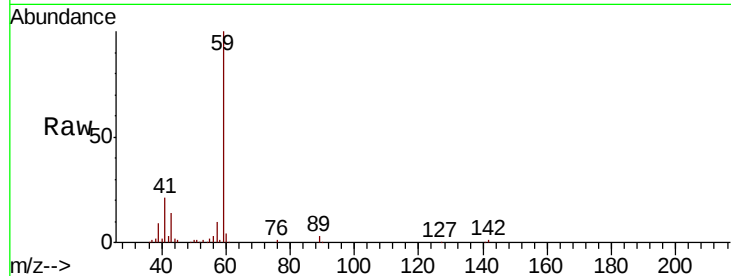
Tert butyl alcohol
 Concen: 232.41 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	144461		
57	9.9	8.2	12.2	

Manual Integrations
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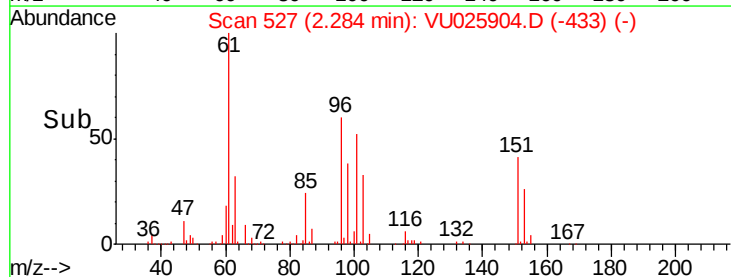
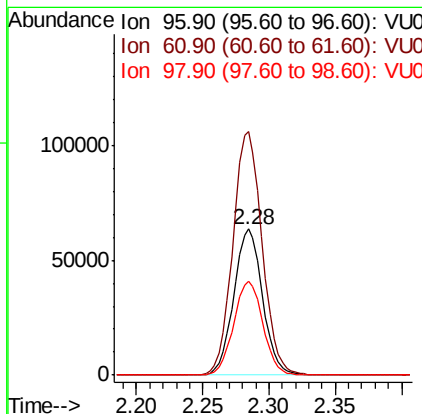
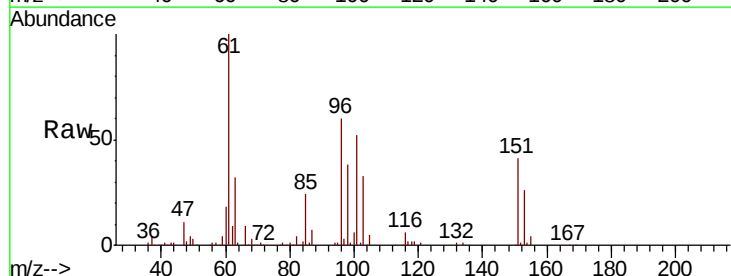
MMDadoda
 8/7/2018 1:51:44 PM

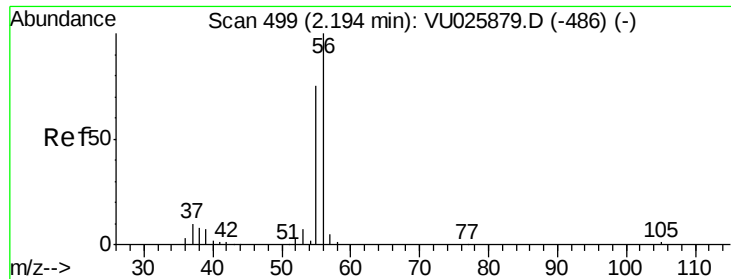


#12

1,1-Dichloroethene
 Concen: 49.09 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96035		
61	166.6	140.2	210.4	
98	64.1	49.3	73.9	





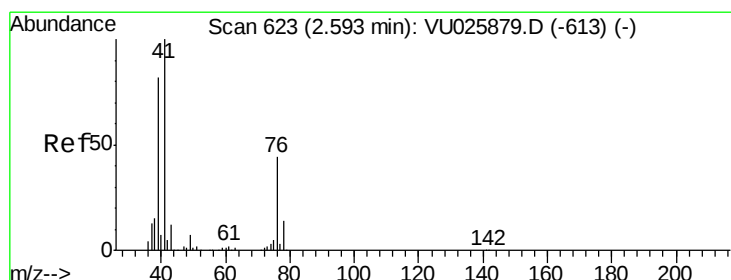
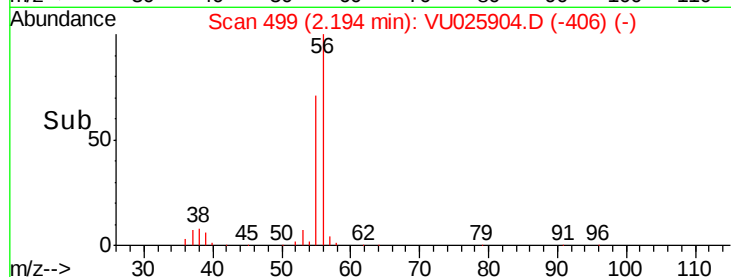
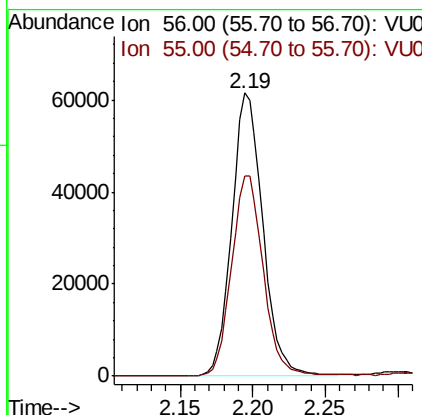
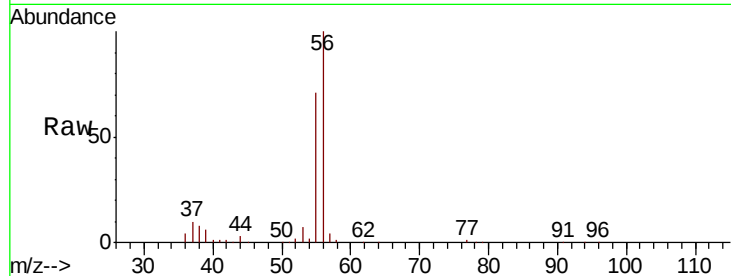
#13
Acrolein
Concen: 408.04 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampled :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.2	85.8

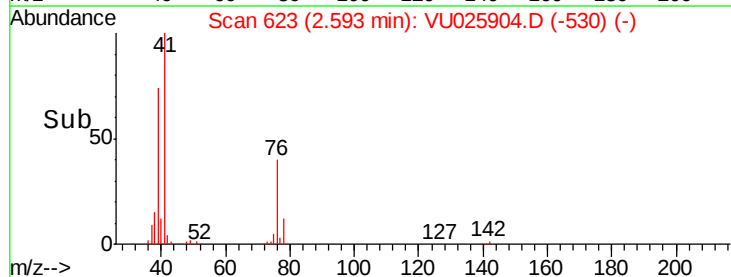
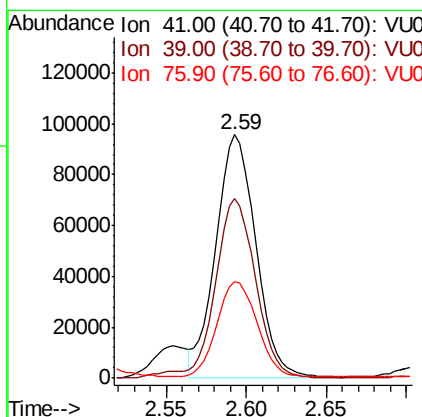
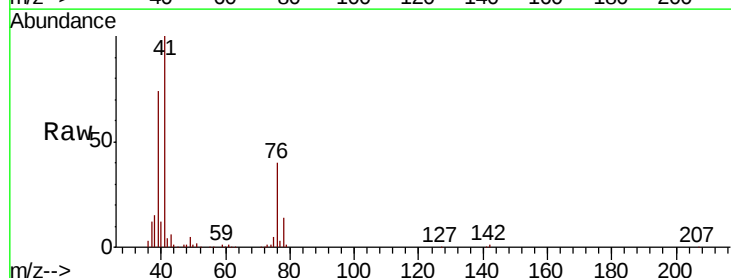
Manual Integrations
APPROVED

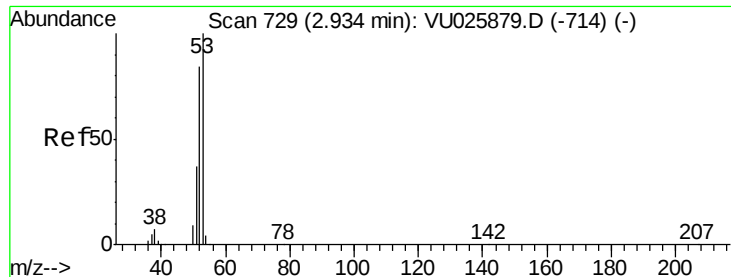
MMDadoda
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#14
Allyl chloride
Concen: 46.69 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.1	60.6	91.0
76	39.0	30.5	45.7





#15

Acrylonitrile

Concen: 266.11 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

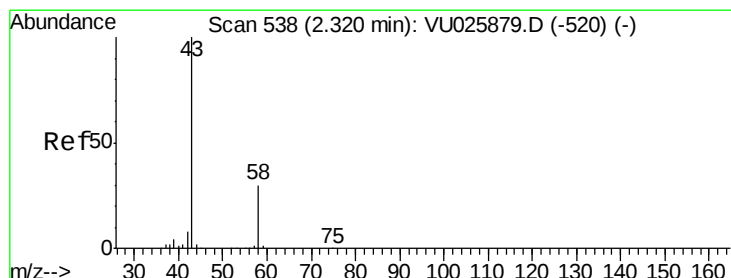
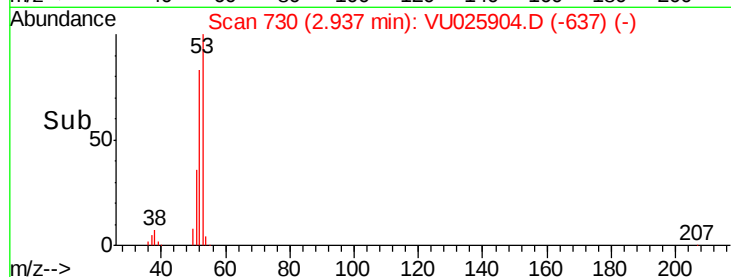
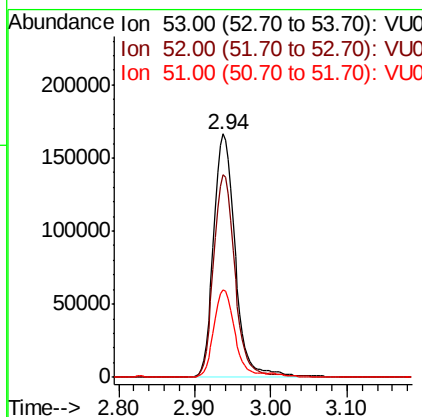
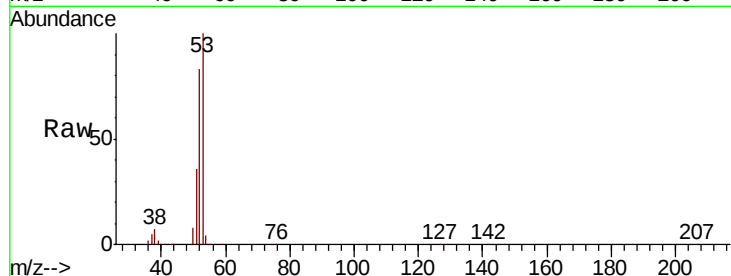
ClientSampleId :

FL-0519MSD

Tot Ion:	53	Resp:	330255
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.6	99.8
51	34.8	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 266.25 ug/l

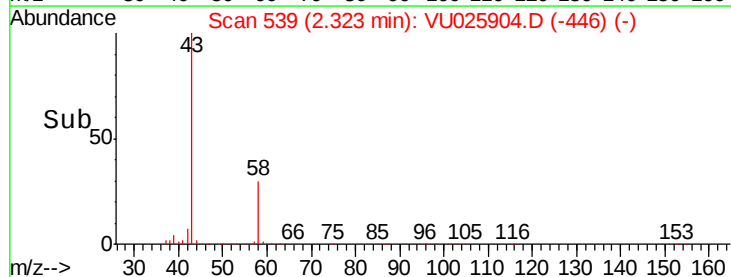
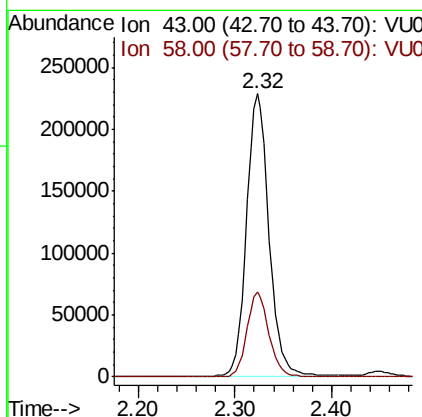
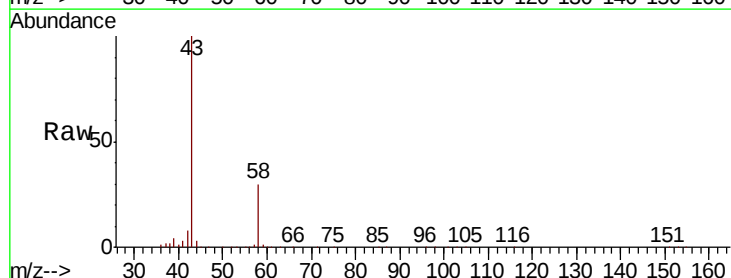
RT: 2.32 min Scan# 539

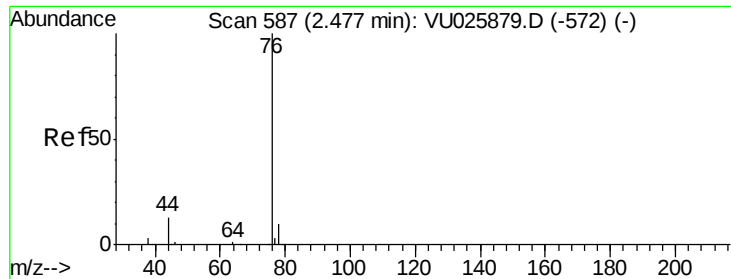
Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	43	Resp:	368536
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.1	34.7





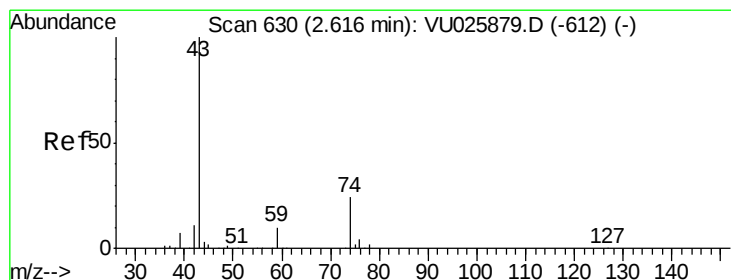
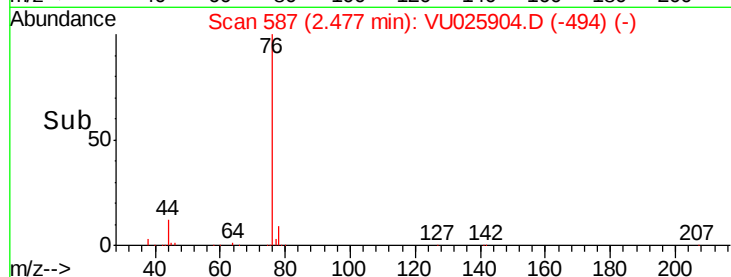
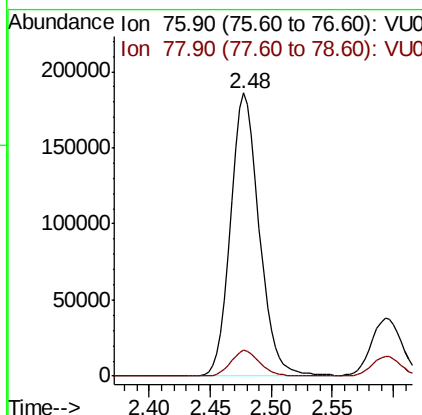
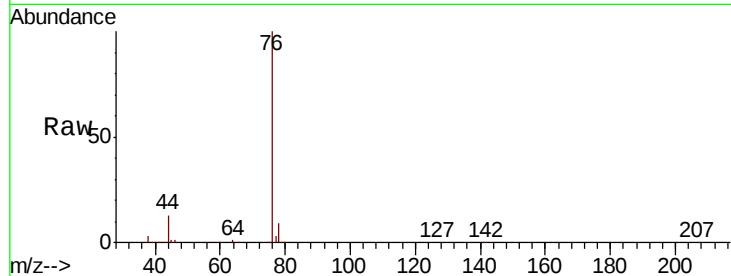
#17
Carbon Disulfide
Concen: 48.36 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

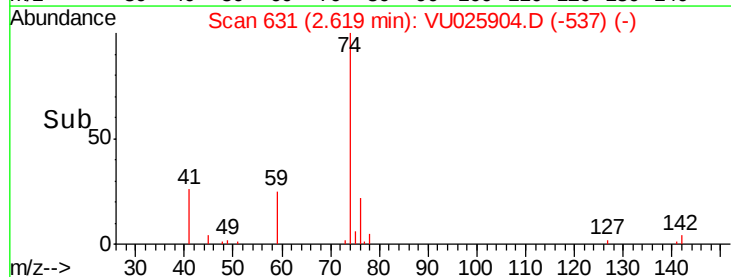
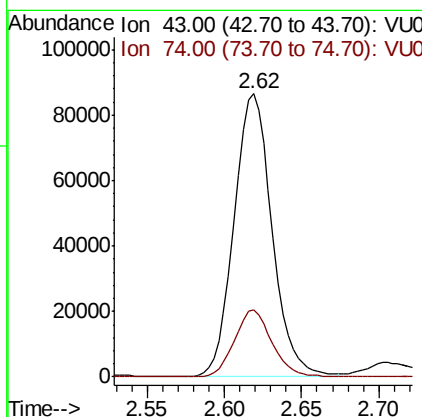
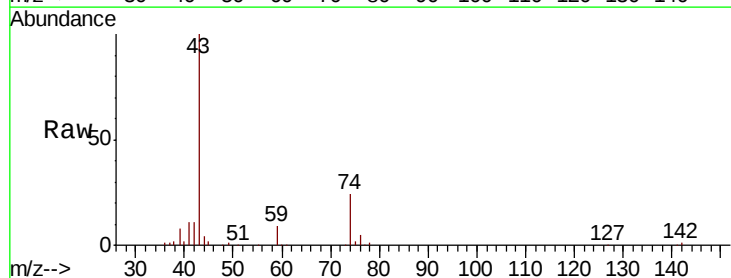
Manual Integrations
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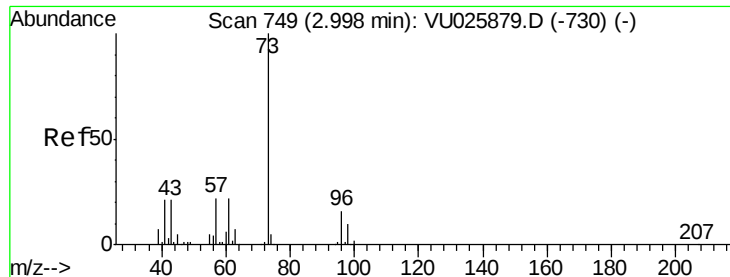
MMDadoda
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#18
Methyl Acetate
Concen: 43.93 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.5	27.7





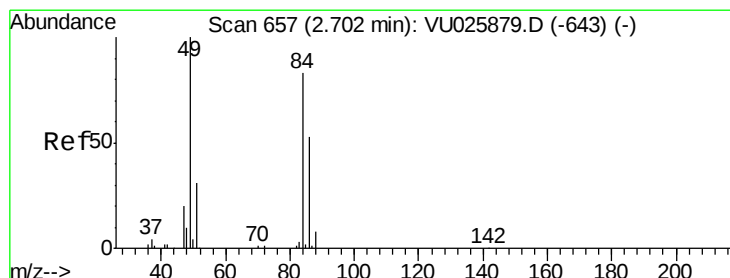
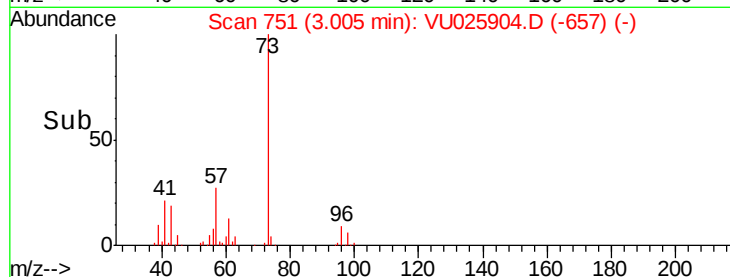
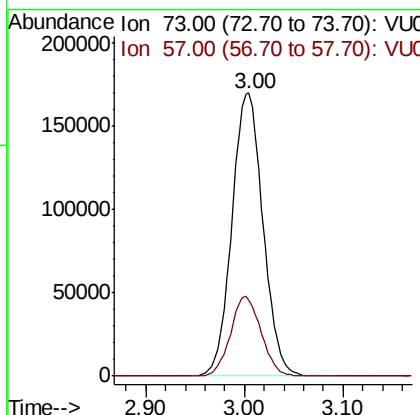
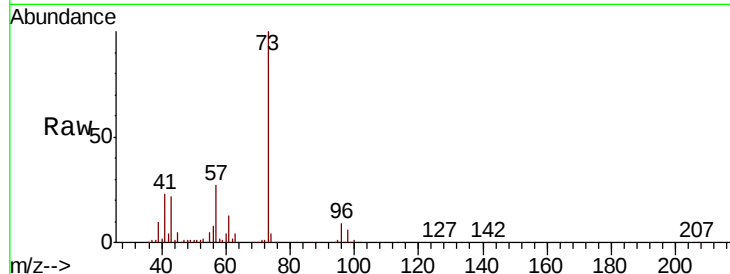
#19
Methvl tert-butvl Ether
Concen: 52.40 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion: 73 Resp: 371533
Ion Ratio Lower Upper
73 100
57 27.0 17.4 26.2#

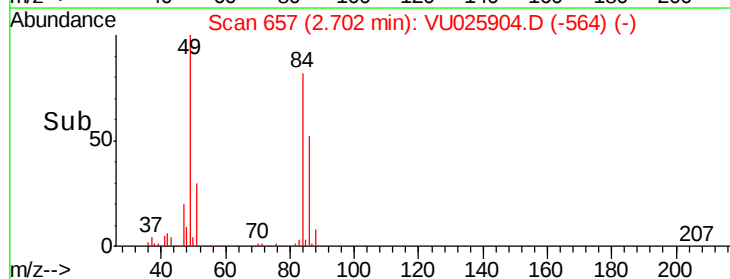
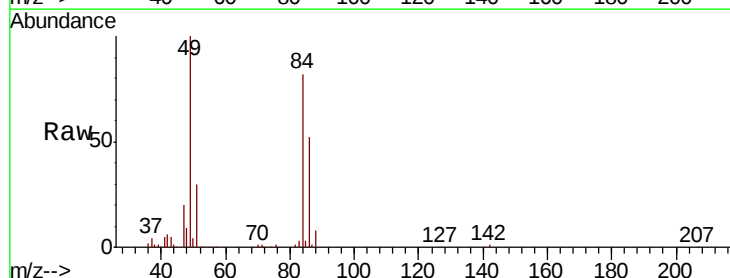
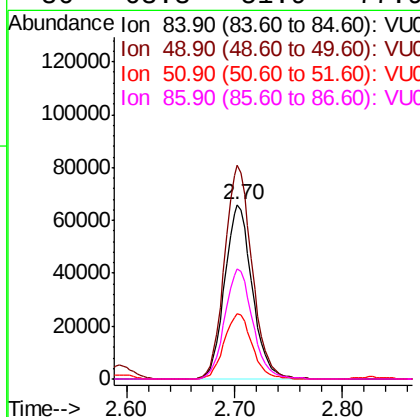
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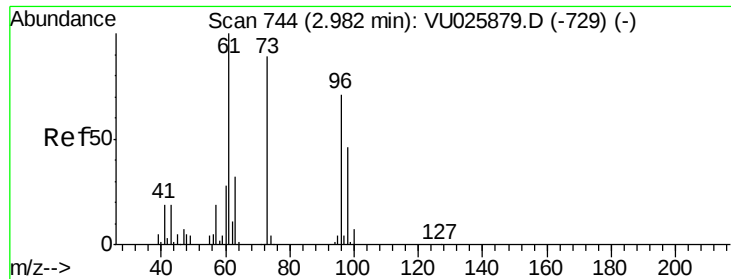
MMDadoda
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#20
Methylene Chloride
Concen: 47.70 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion: 84 Resp: 117012
Ion Ratio Lower Upper
84 100
49 122.6 101.8 152.6
51 37.4 30.8 46.2
86 63.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.61 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

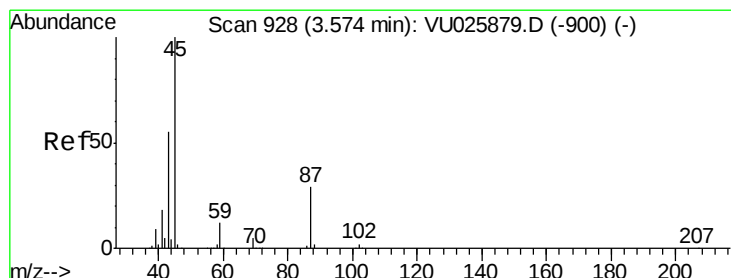
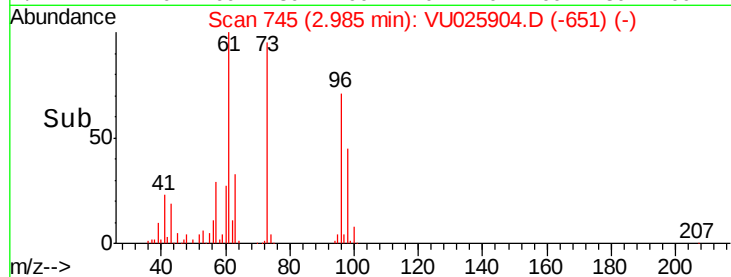
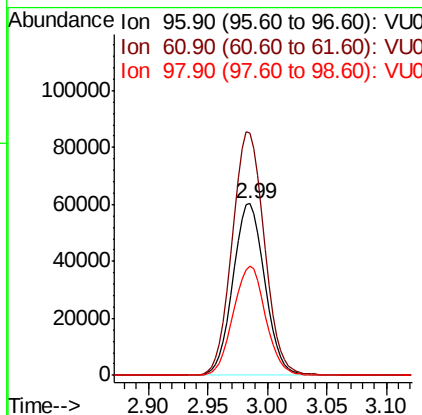
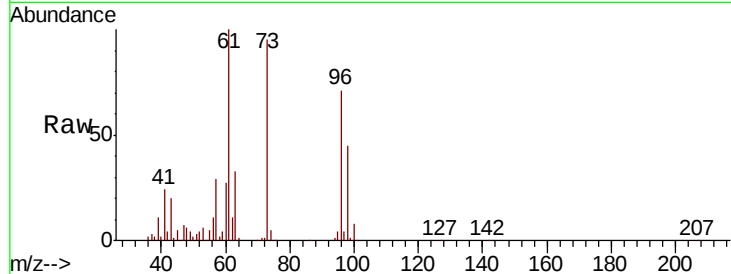
ClientSampled :

FL-0519MSD

Tot Ion:	96	Resp:	112199
Ion	Ratio	Lower	Upper
96	100		
61	141.3	114.5	171.7
98	63.7	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.90 ug/l

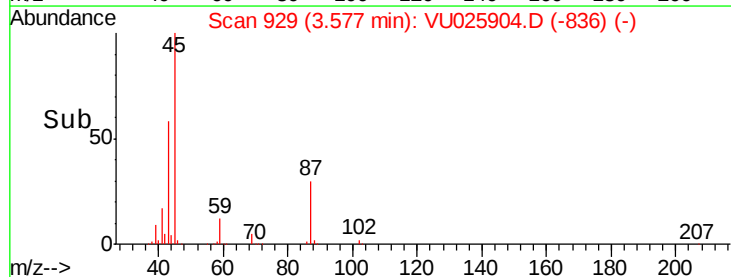
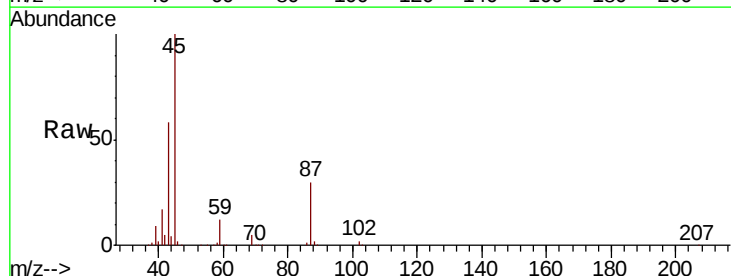
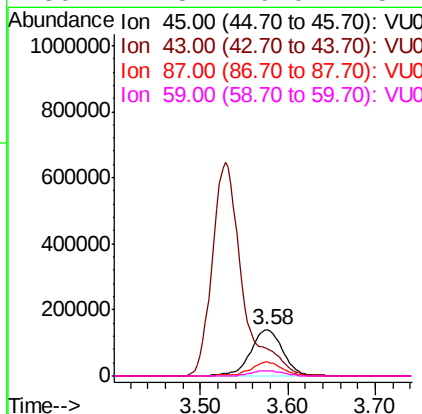
RT: 3.58 min Scan# 929

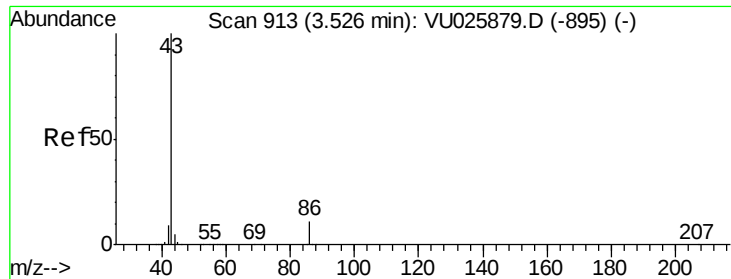
Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	45	Resp:	359560
Ion	Ratio	Lower	Upper
45	100		
43	56.8	50.9	76.3
87	29.6	23.8	35.8
59	11.8	9.0	13.4





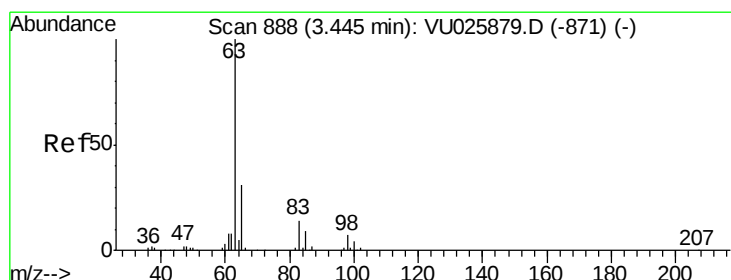
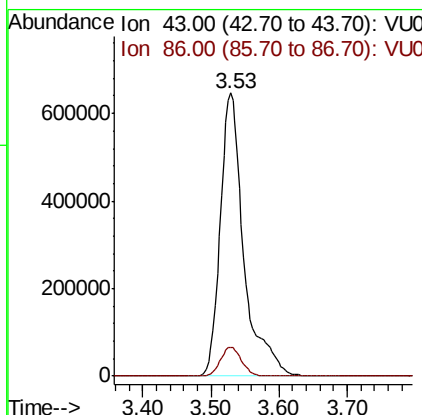
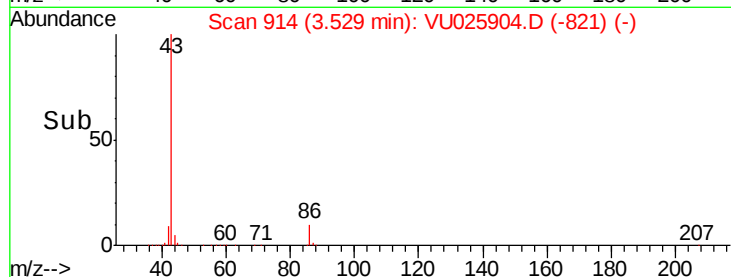
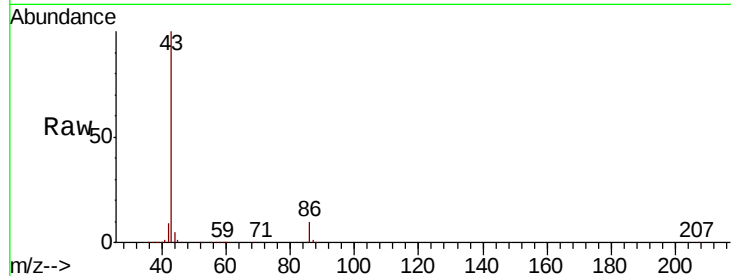
#23
 Vinyl Acetate
 Concen: 256.89 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion: 43 Resp: 1551062
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.2

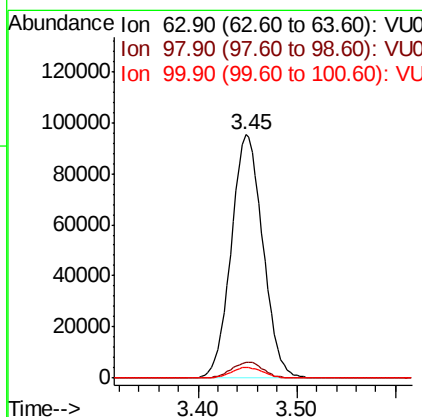
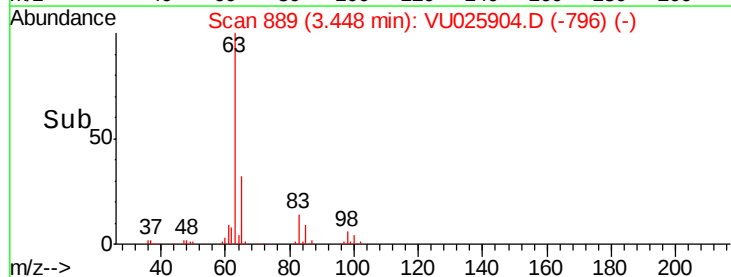
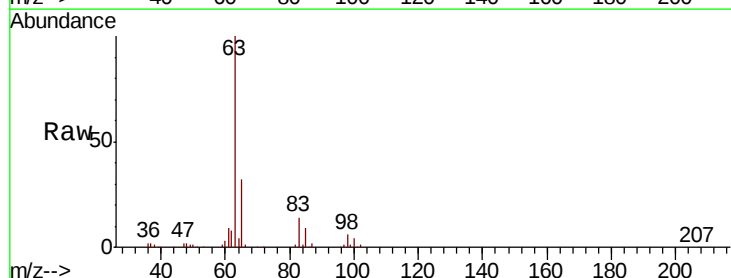
Manual Integrations
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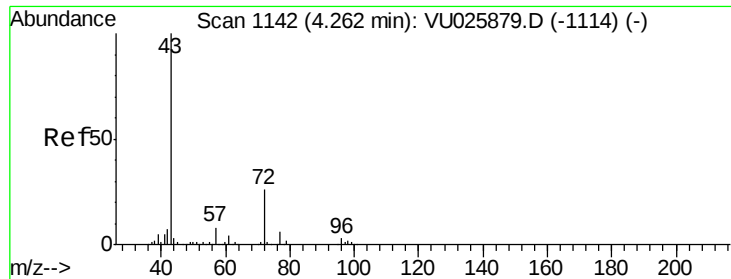
MMDadoda
 8/7/2018 1:51:44 PM



#24
 1,1-Dichloroethane
 Concen: 51.15 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion: 63 Resp: 212722
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.1
 100 4.5 2.0 6.0





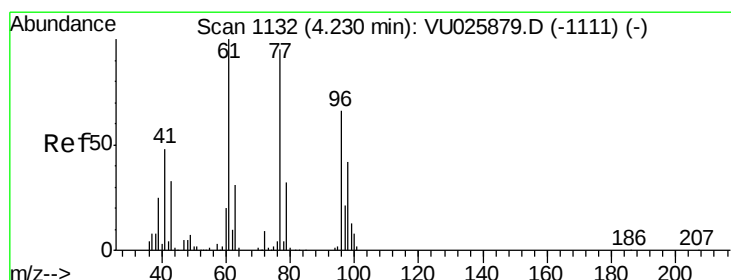
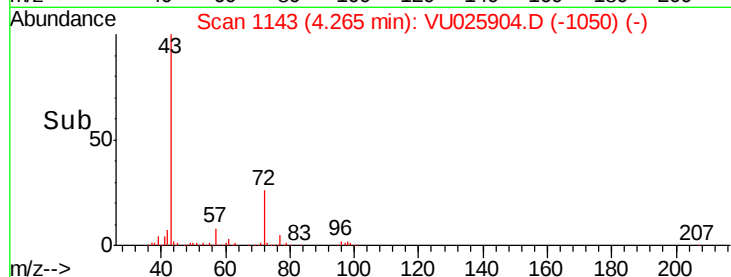
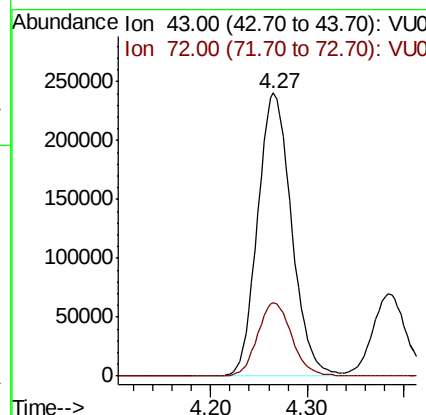
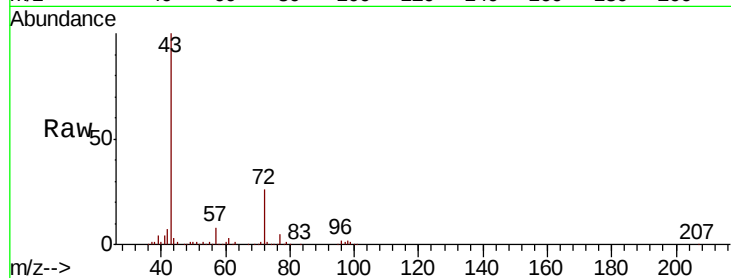
#25
2-Butanone
Concen: 310.00 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampled :
FL-0519MSD

Tot Ion: 43 Resp: 584122
Ion Ratio Lower Upper
43 100
72 26.0 21.0 31.4

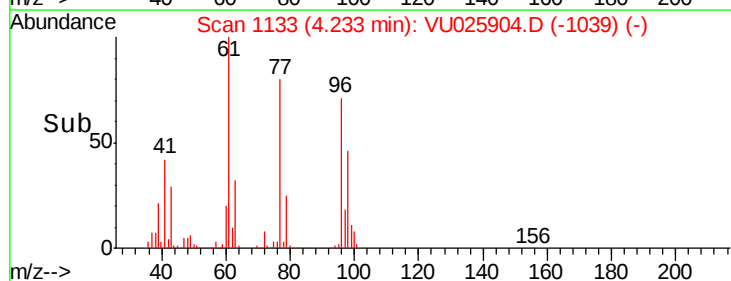
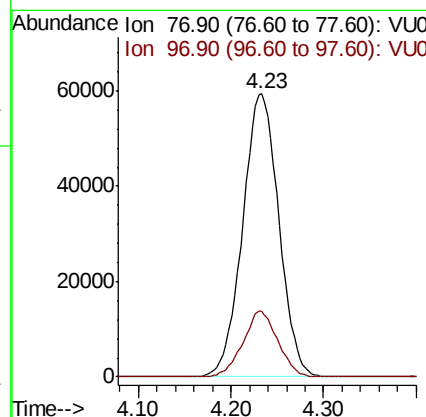
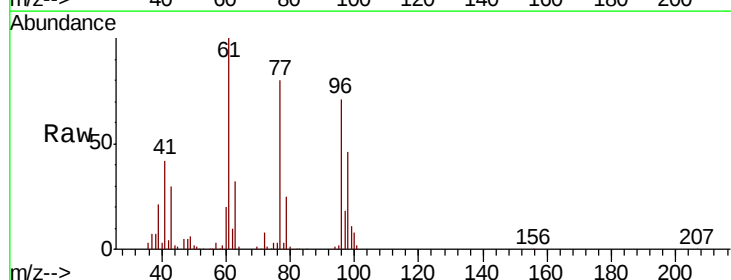
Manual Integrations
APPROVED

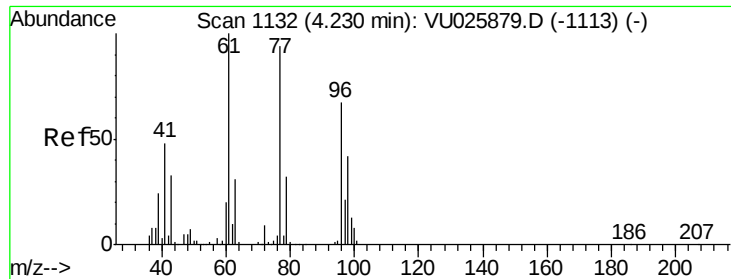
MMDadoda
8/7/2018 1:51:44 PM



#26
2,2-Dichloropropane
Concen: 42.47 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion: 77 Resp: 160548
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.67 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

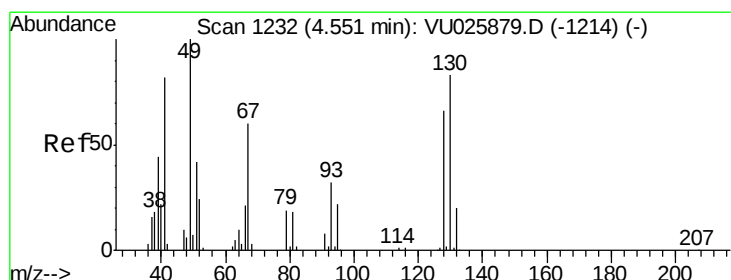
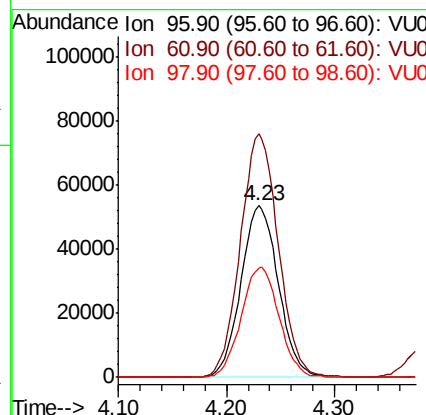
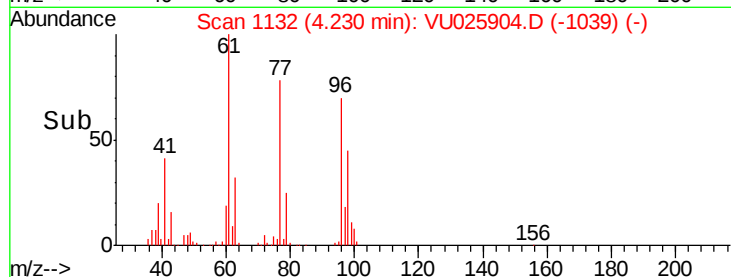
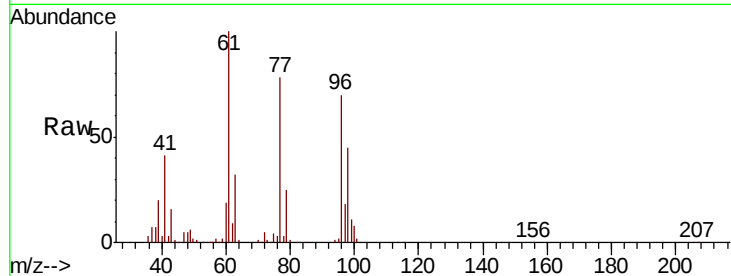
ClientSampleId :

FL-0519MSD

Tot Ion:	96	Resp:	129208
Ion Ratio	Lower	Upper	
96	100		
61	143.9	0.0	299.8
98	64.9	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:44 PM



#28

Bromochloromethane

Concen: 49.75 ug/l

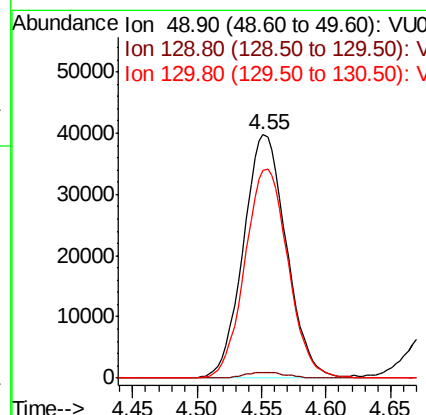
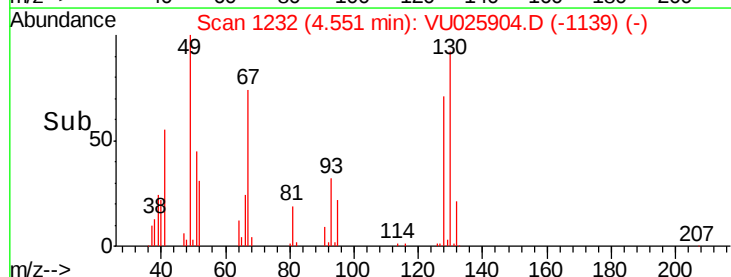
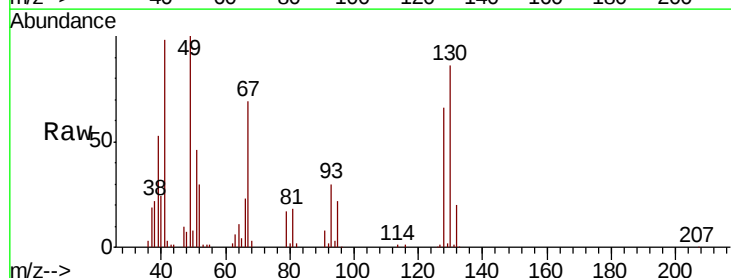
RT: 4.55 min Scan# 1232

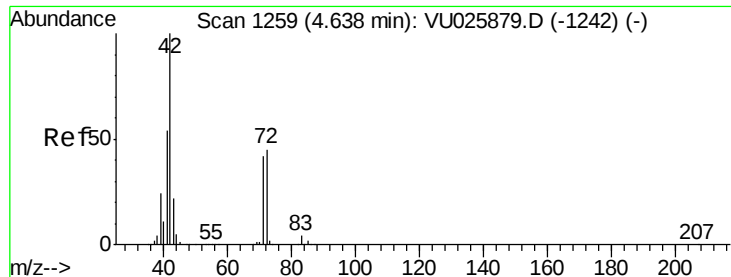
Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	49	Resp:	92504
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.6
130	86.3	68.6	102.8





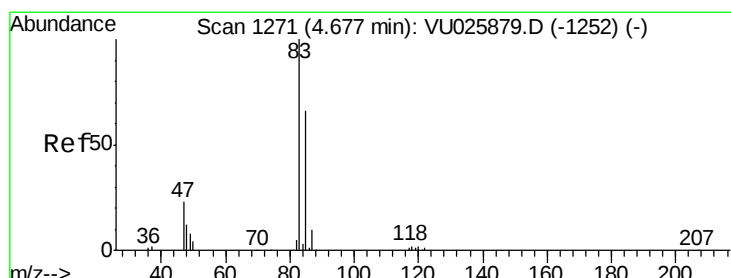
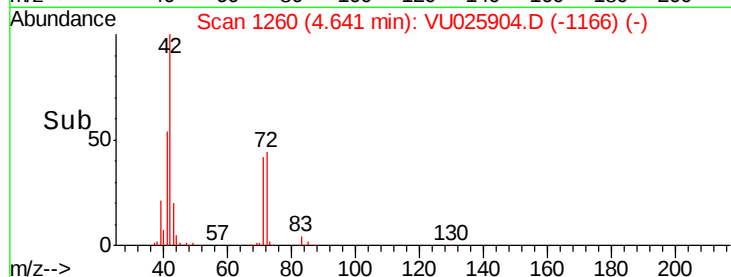
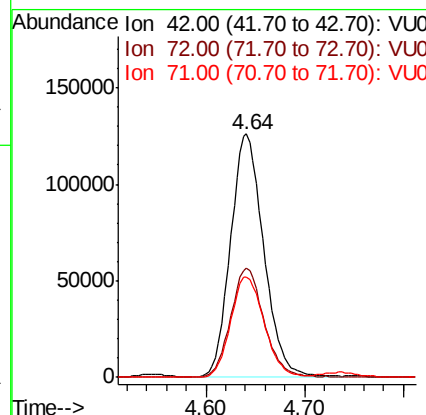
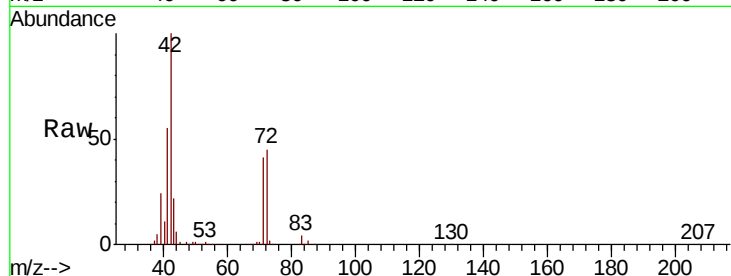
#29
Tetrahydrofuran
Concen: 261.10 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.7	55.1
71	41.8	33.9	50.9

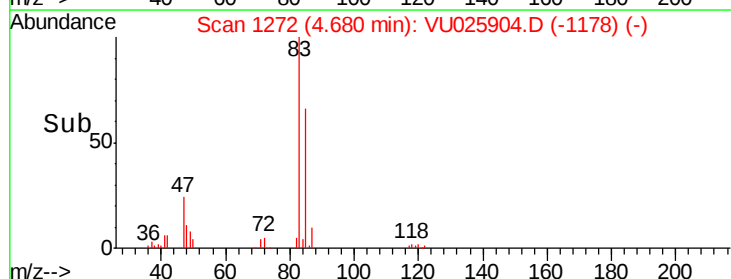
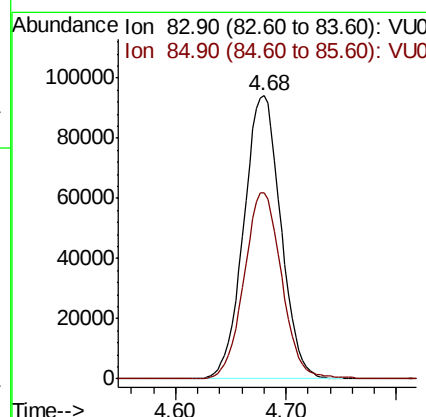
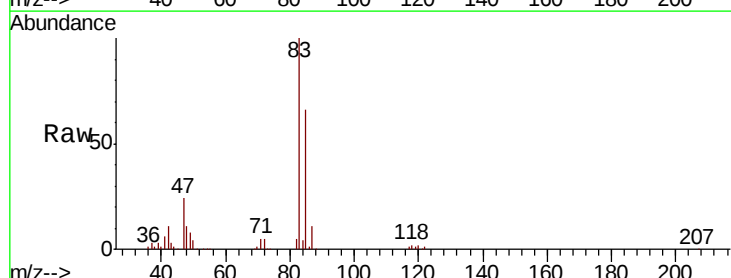
Manual Integrations
APPROVED

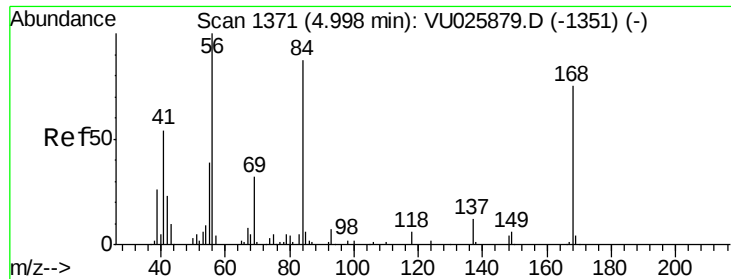
MMDadoda
8/7/2018 1:51:44 PM



#30
Chloroform
Concen: 49.90 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





#31

Cyclohexane

Concen: 51.97 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

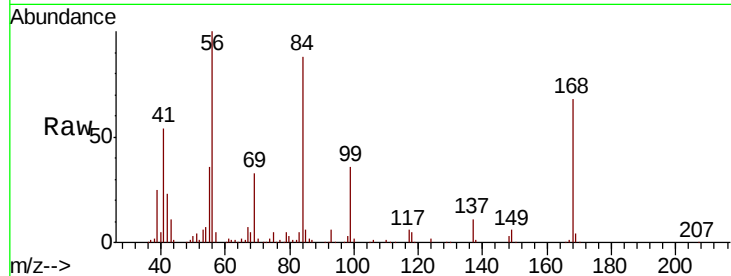
ClientSampled :

FL-0519MSD

Tot Ion:	56	Resp:	187804
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.8	40.2
84	86.7	69.7	104.5

Manual Integrations
APPROVED

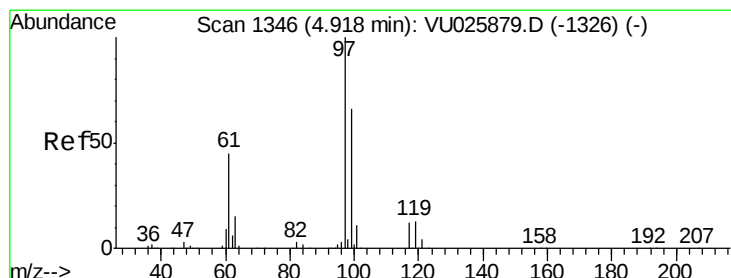
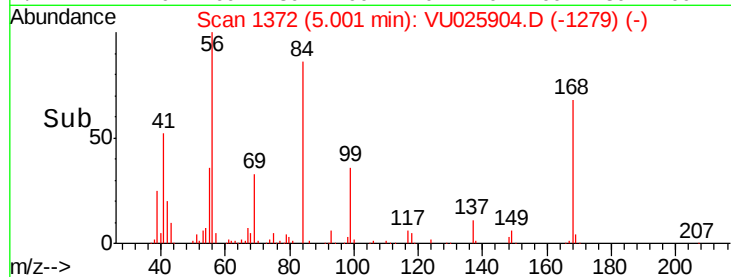
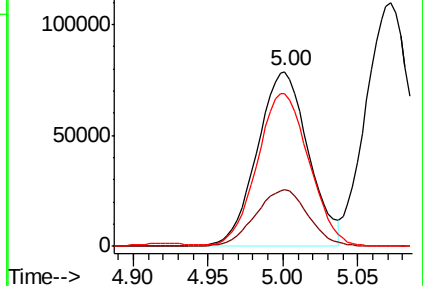
MMDadoda
8/7/2018 1:51:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VU025879.D (-1351) (-)

Ion 69.00 (68.70 to 69.70): VU025879.D (-1351) (-)

Ion 84.00 (83.70 to 84.70): VU025879.D (-1351) (-)



#32

1,1,1-Trichloroethane

Concen: 51.05 ug/l

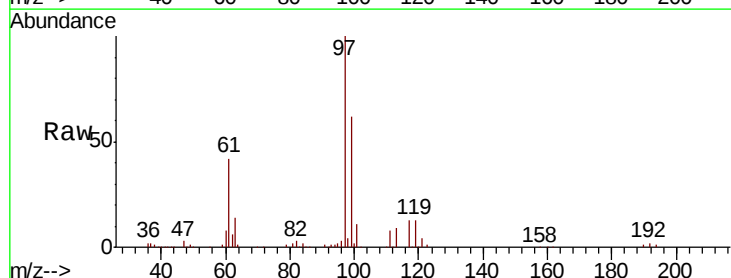
RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

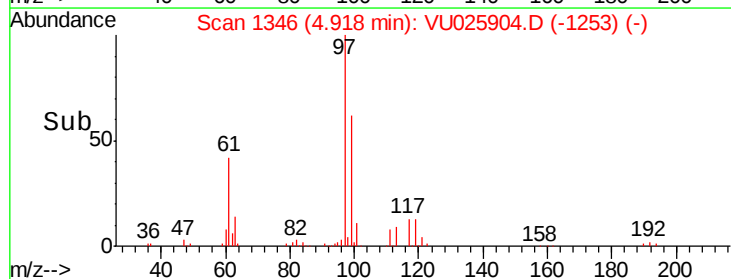
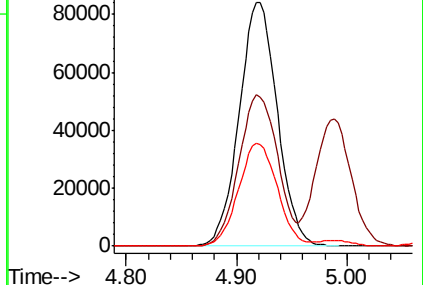
Tgt Ion:	97	Resp:	201761
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	43.3	35.2	52.8

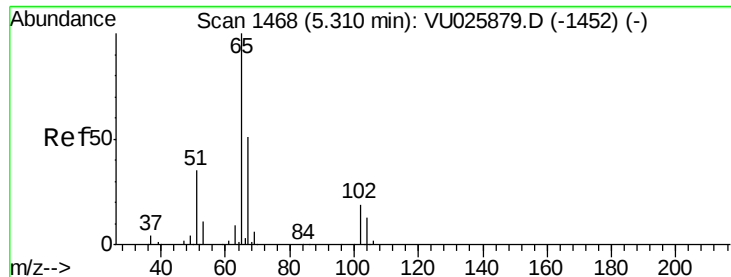


Abundance Ion 96.90 (96.60 to 97.60): VU025879.D (-1326) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1326) (-)

Ion 60.90 (60.60 to 61.60): VU025879.D (-1326) (-)





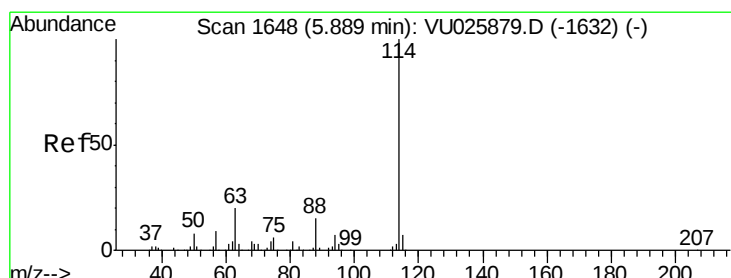
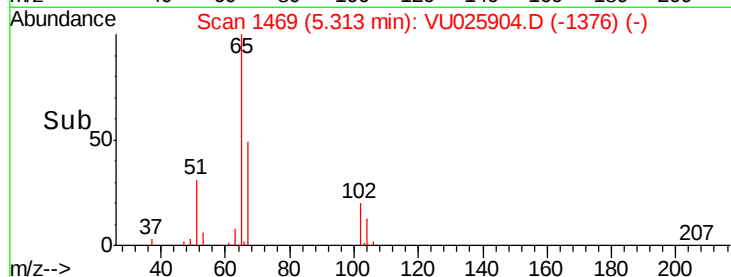
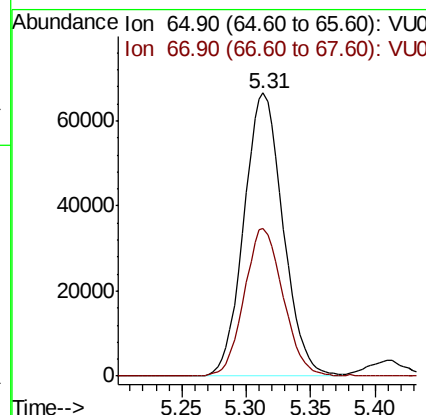
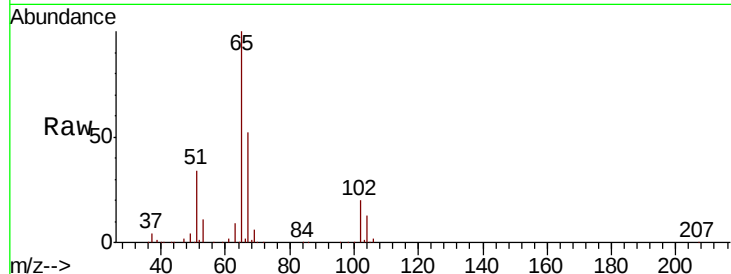
#33
 1,2-Dichloroethane-d4
 Concen: 49.53 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

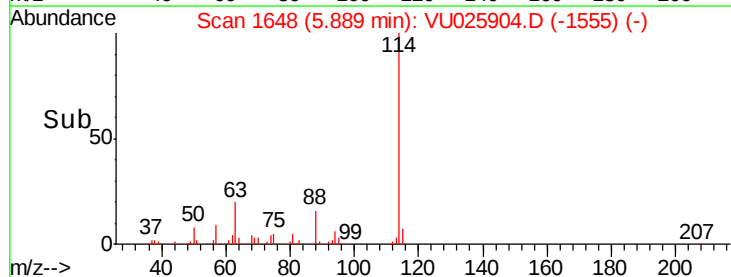
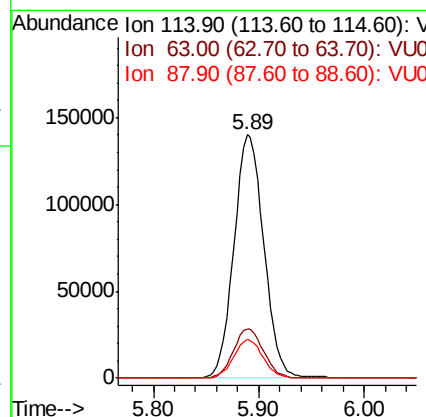
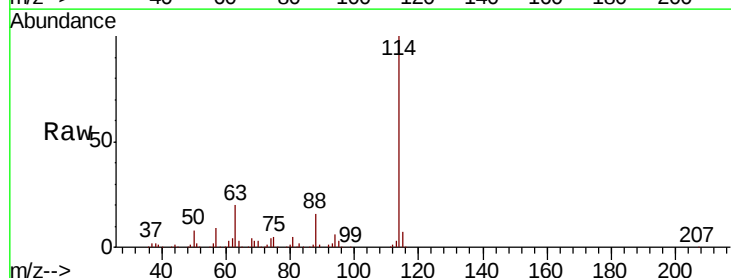
Manual Integrations
 APPROVED

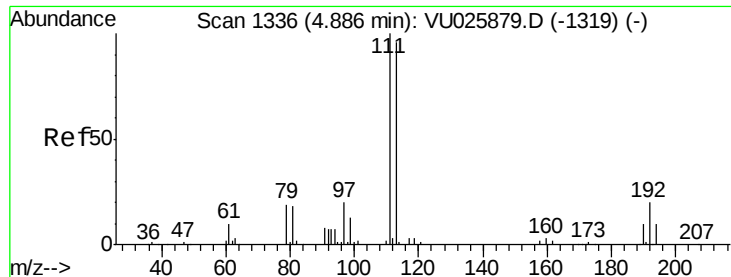
MMDadoda
 8/7/2018 1:51:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	15.8	0.0	32.4





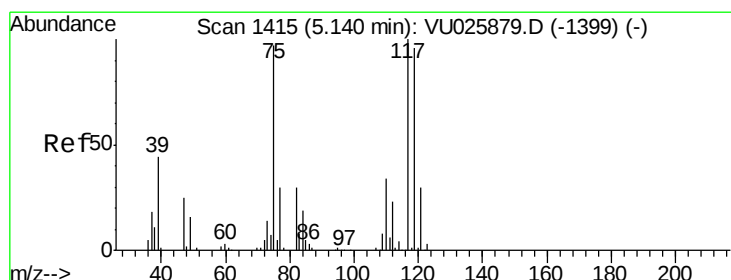
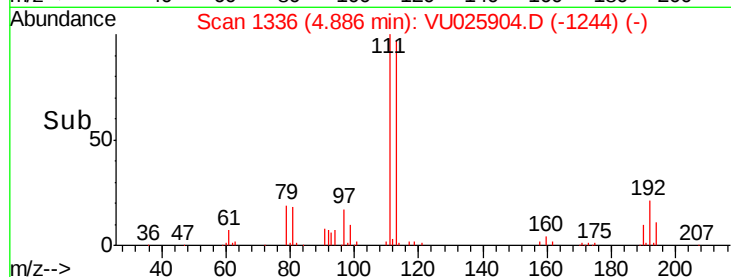
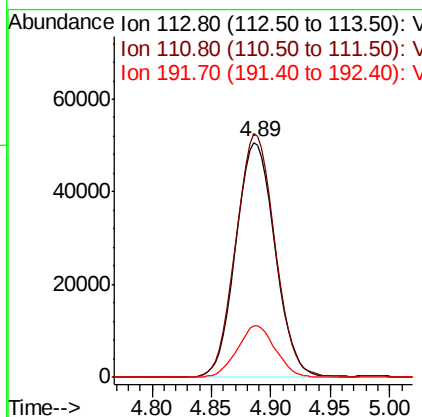
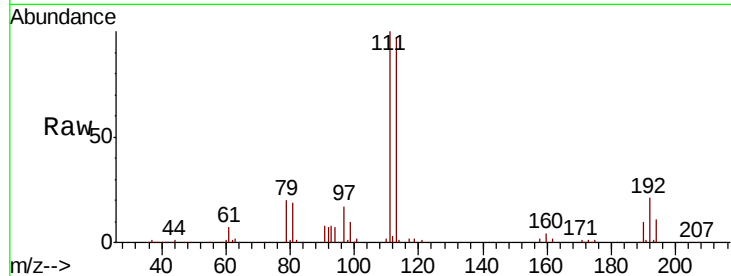
#35
 Dibromofluoromethane
 Concen: 48.56 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	81.7	122.5	
192	21.4	17.1	25.7	

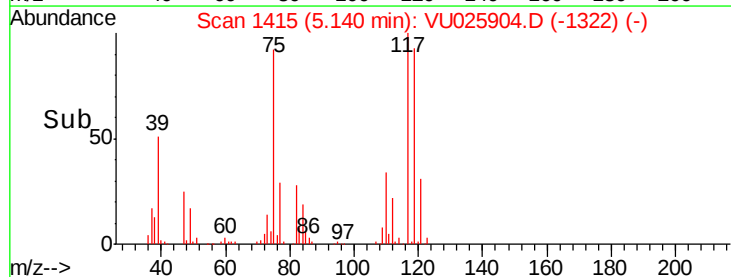
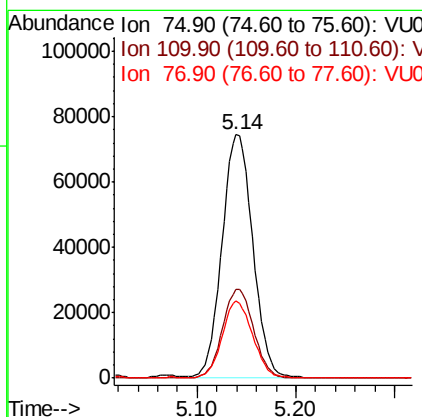
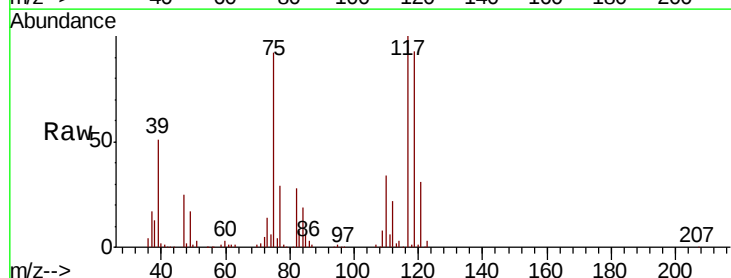
Manual Integrations
 APPROVED

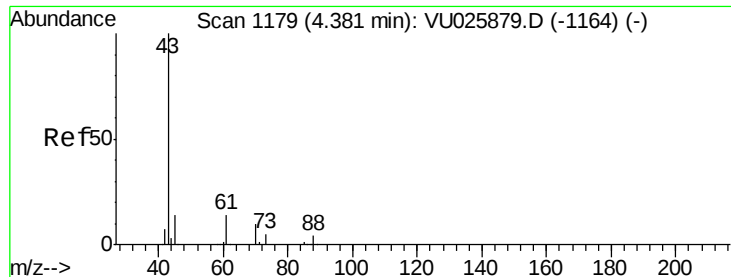
MMDadoda
 8/7/2018 1:51:44 PM



#36
 1,1-Dichloropropene
 Concen: 50.55 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	17.6	52.9	
77	31.5	24.4	36.6	





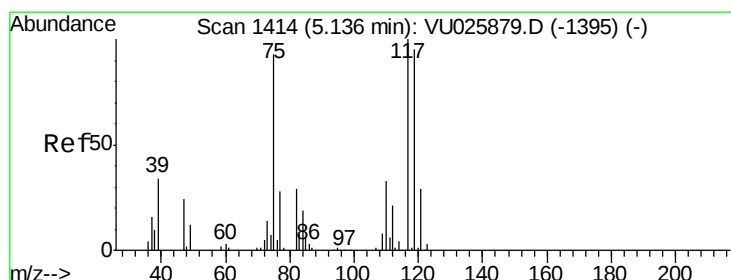
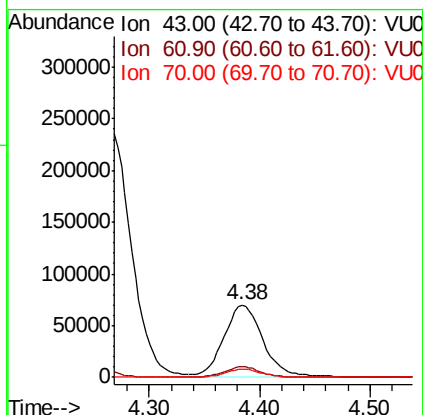
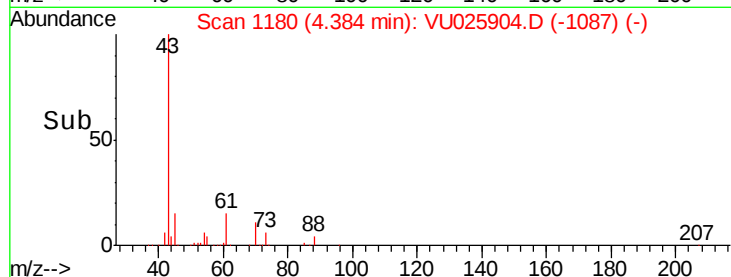
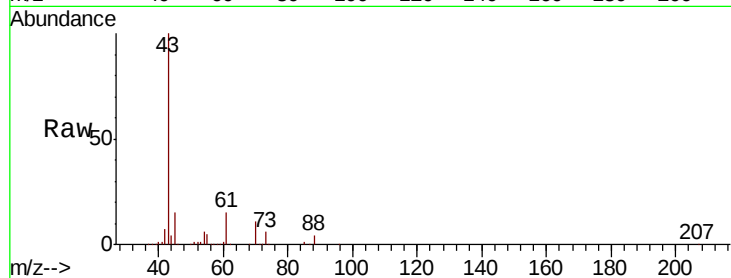
#37
Ethyl Acetate
Concen: 50.67 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.7	8.4	12.6

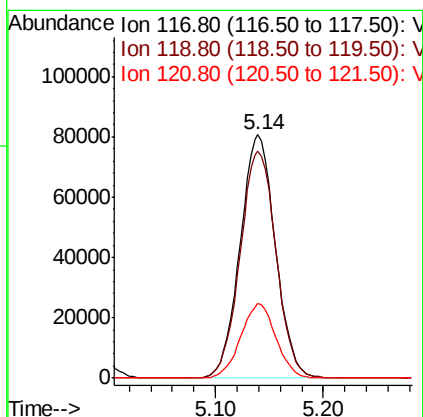
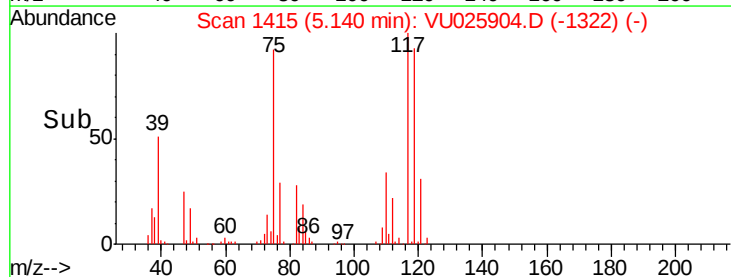
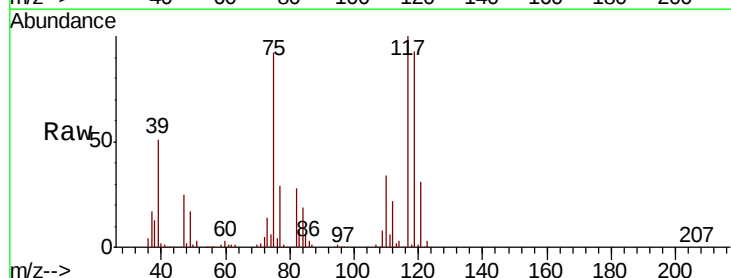
Manual Integrations
APPROVED

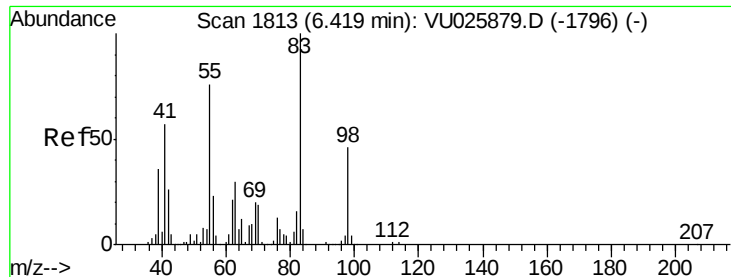
MMDadoda
8/7/2018 1:51:44 PM



#38
Carbon Tetrachloride
Concen: 50.33 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.7	113.5
121	30.6	24.6	36.8





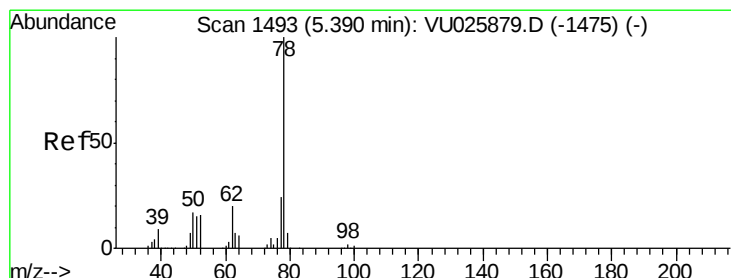
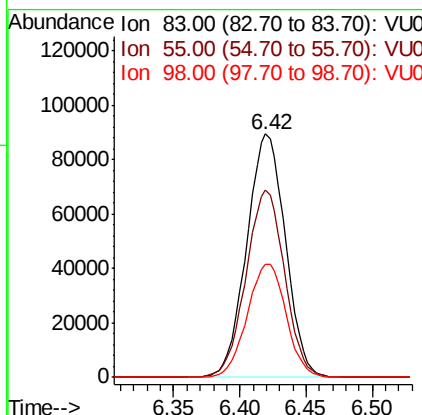
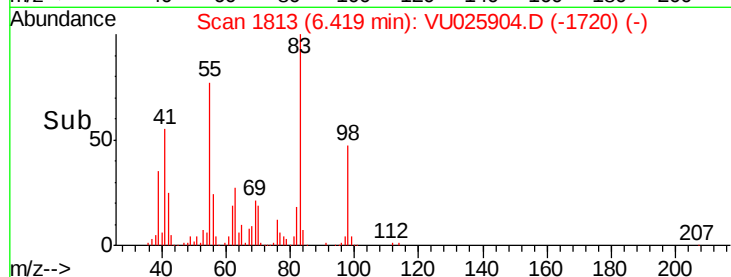
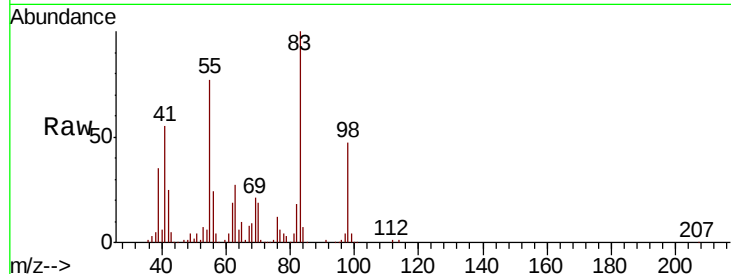
#39
Methvlcvclohexane
Concen: 49.60 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Resp Lower	Upper
83	100		
55	76.8	60.0	90.0
98	46.6	36.1	54.1

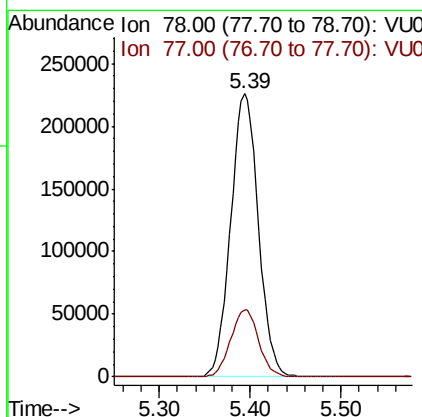
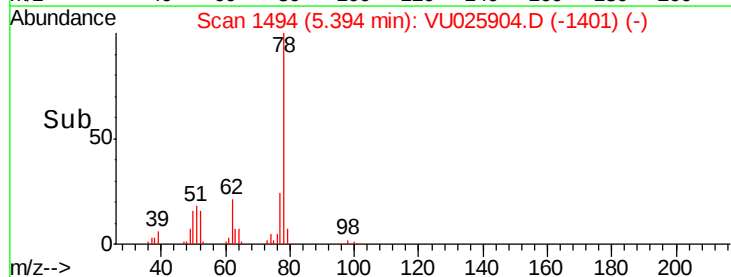
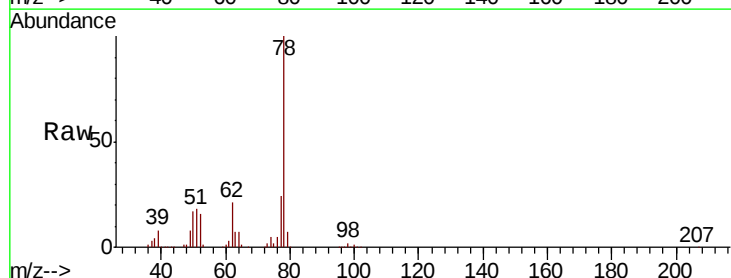
Manual Integrations
APPROVED

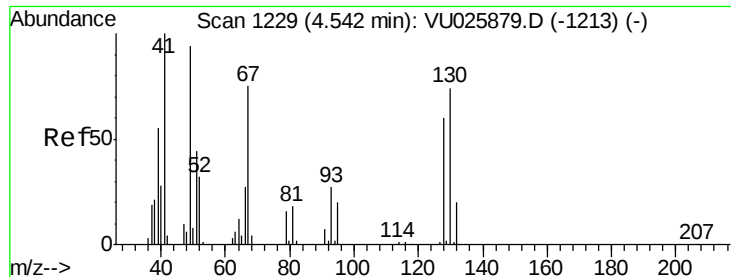
MMDadoda
8/7/2018 1:51:44 PM



#40
Benzene
Concen: 50.92 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	23.8	19.8	29.6





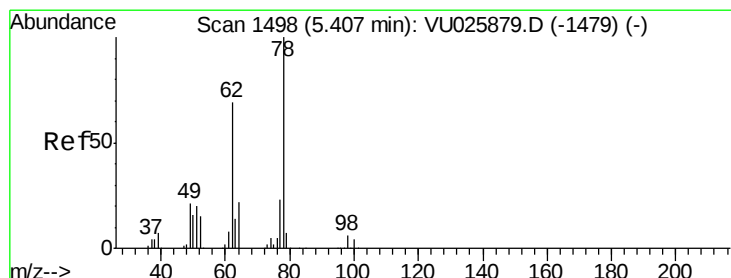
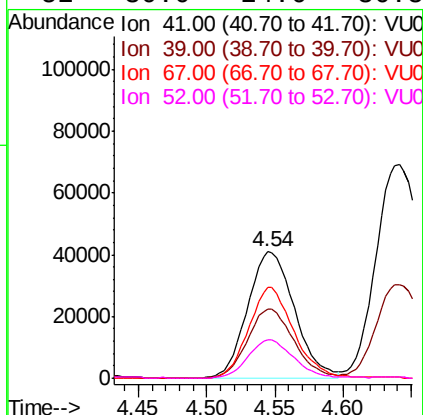
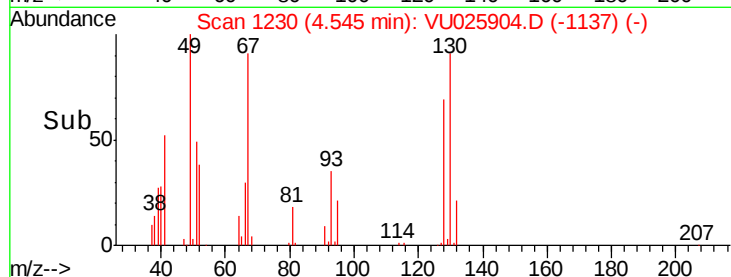
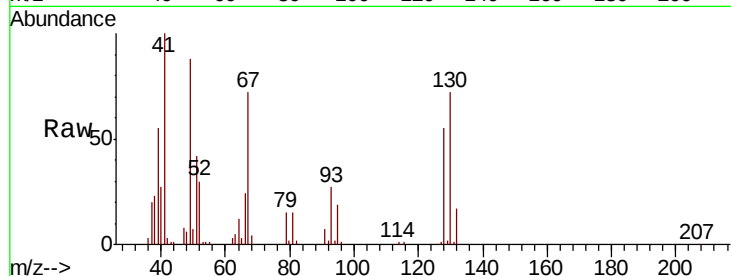
#41
Methacrylonitrile
Concen: 53.07 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		98034		
39	53.6	44.4	66.6		
67	68.9	56.0	84.0		
52	30.0	24.6	36.8		

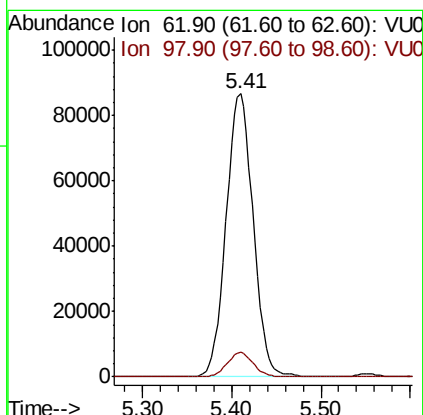
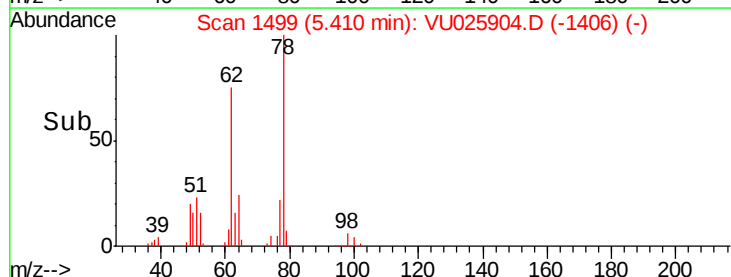
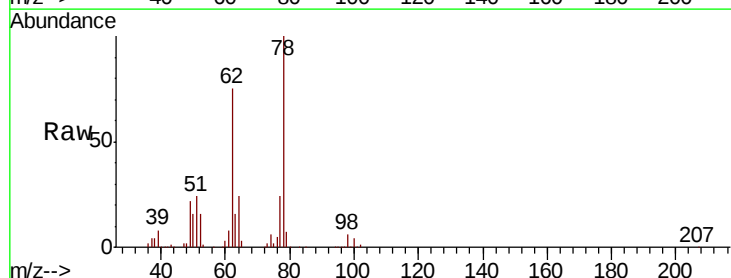
Manual Integrations
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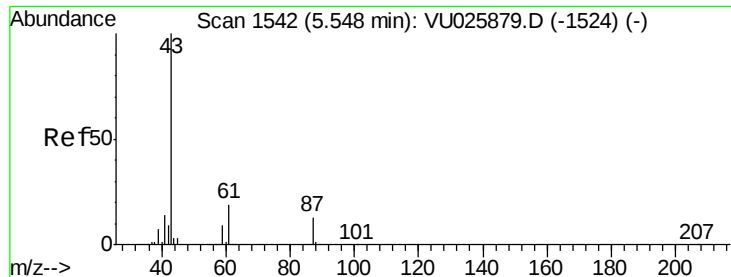
MMDadoda
8/7/2018 1:51:44 PM



#42
1,2-Dichloroethane
Concen: 50.44 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		182099		
98	8.3	0.0	16.4		





#43

Isopropyl Acetate

Concen: 50.92 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

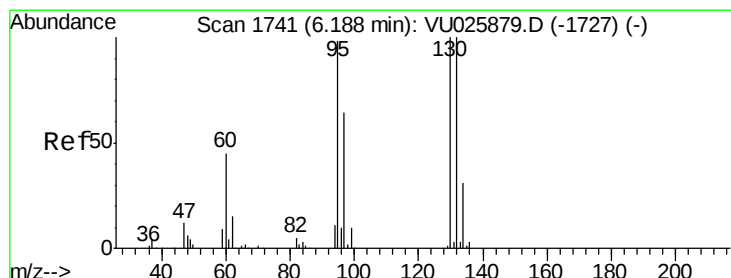
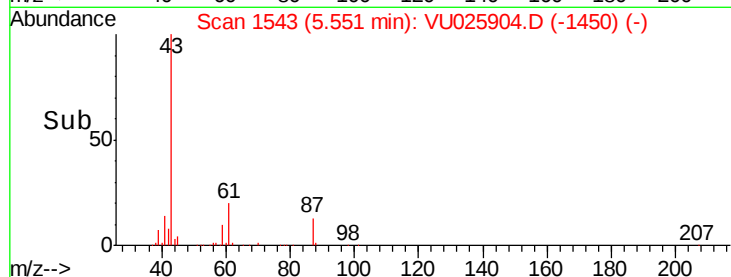
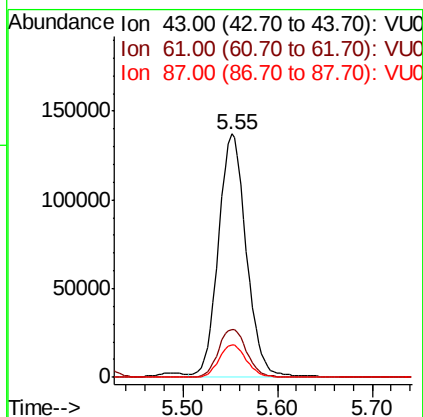
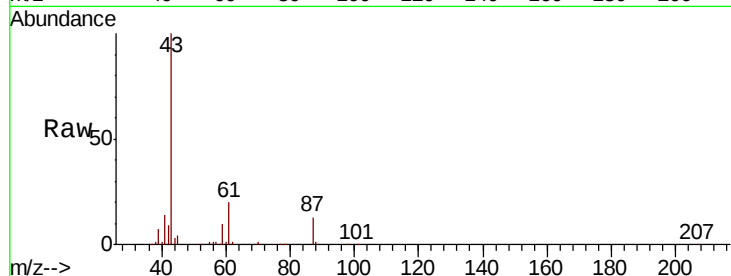
ClientSampleId :

FL-0519MSD

Tot Ion:	43	Resp:	279892
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.5	23.3
87	13.4	10.6	16.0

Manual Integrations
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MMDadoda
8/7/2018 1:51:44 PM



#44

Trichloroethene

Concen: 49.61 ug/l

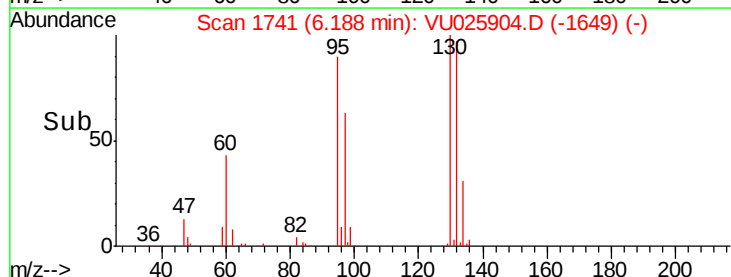
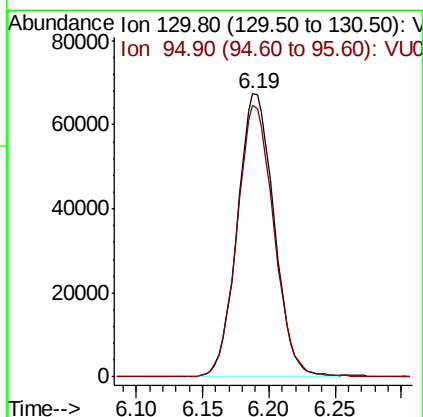
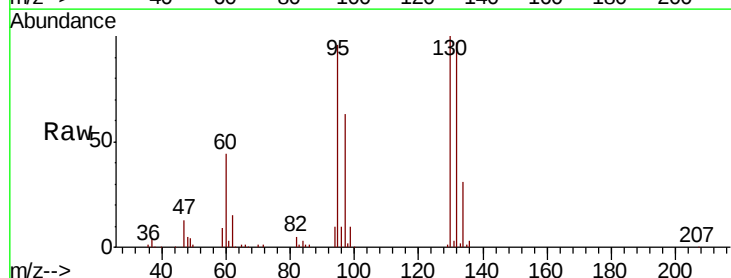
RT: 6.19 min Scan# 1741

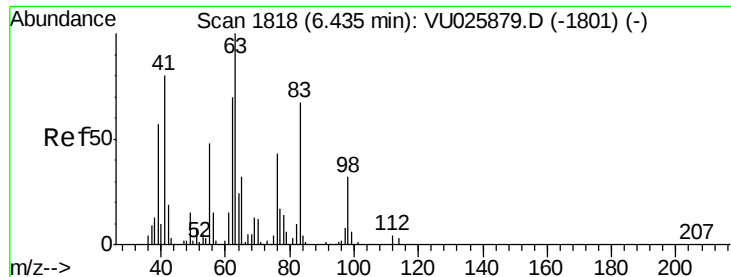
Delta R.T. -0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	130	Resp:	129548
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	192.2





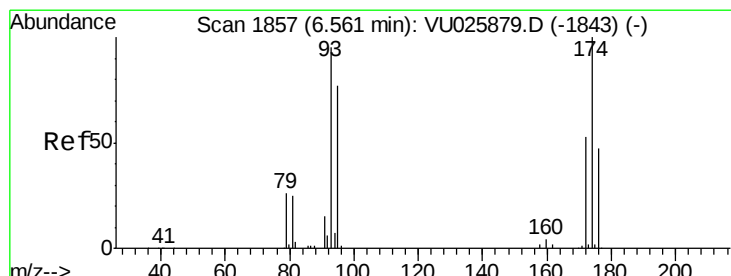
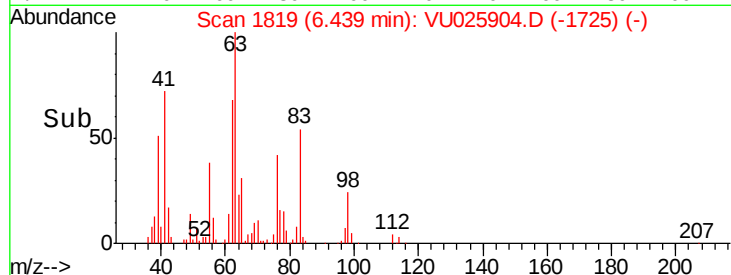
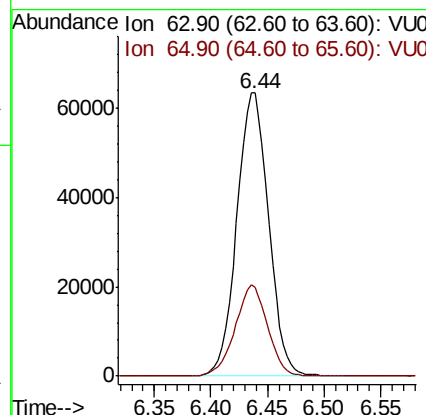
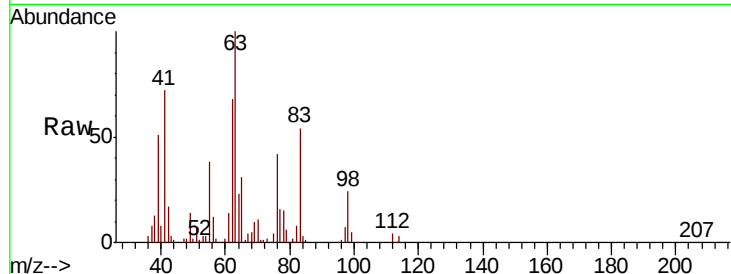
#45
 1,2-Dichloropropane
 Concen: 50.82 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	26.1	39.1

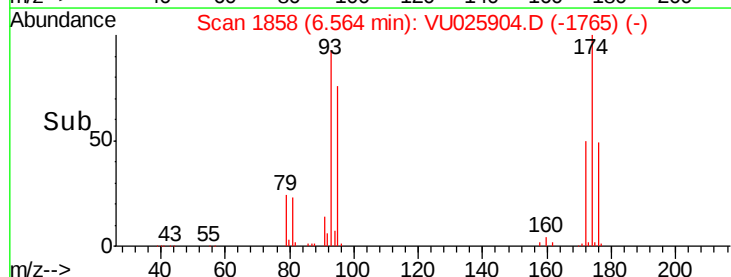
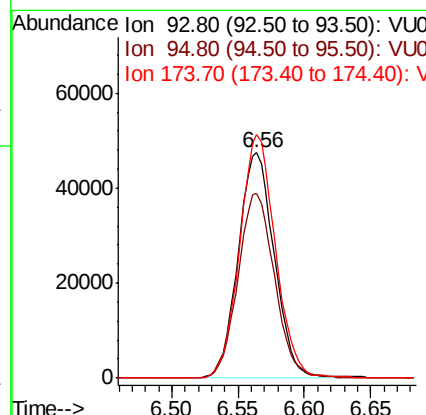
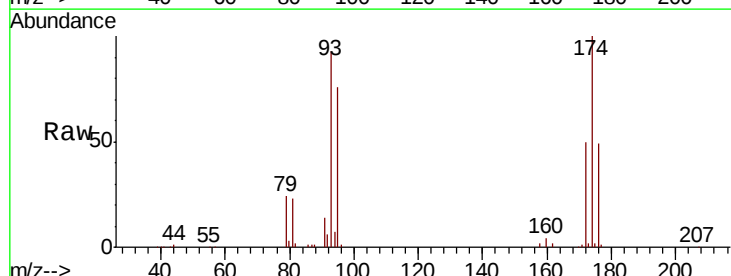
Manual Integrations
 APPROVED

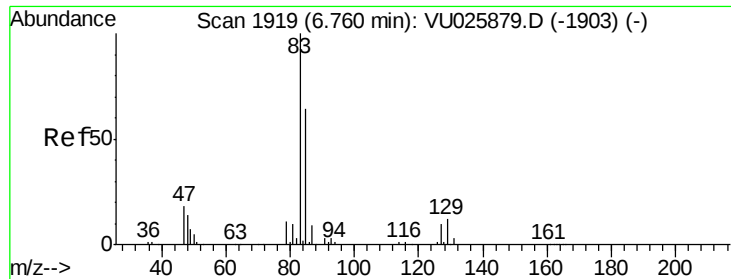
MMDadoda
 8/7/2018 1:51:44 PM



#46
 Dibromomethane
 Concen: 50.77 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	106.9	85.8	128.8





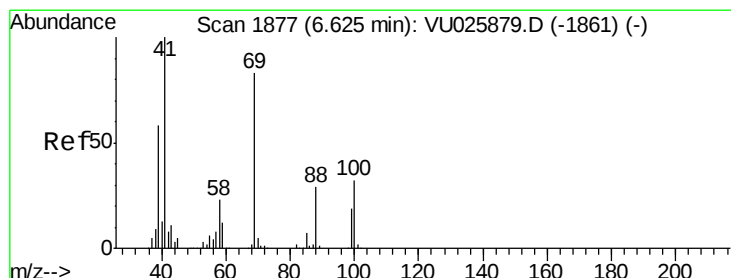
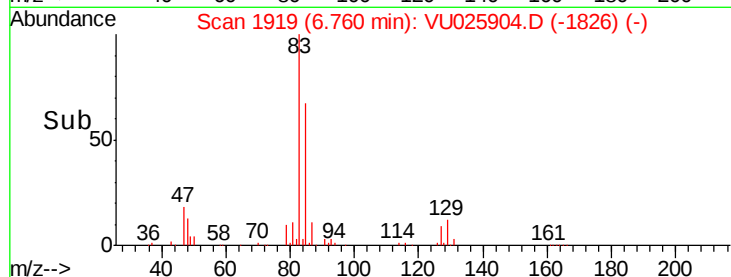
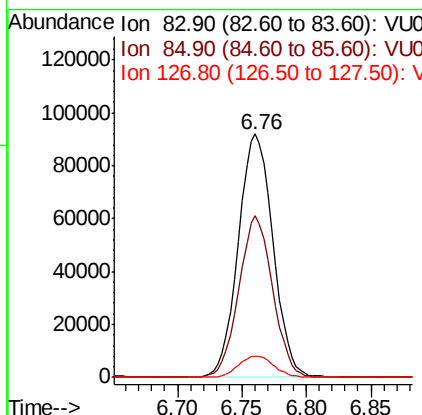
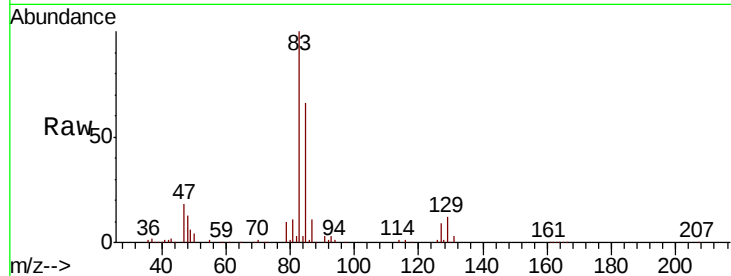
#47
Bromodichloromethane
Concen: 51.04 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.2	75.4
127	8.8	7.2	10.8

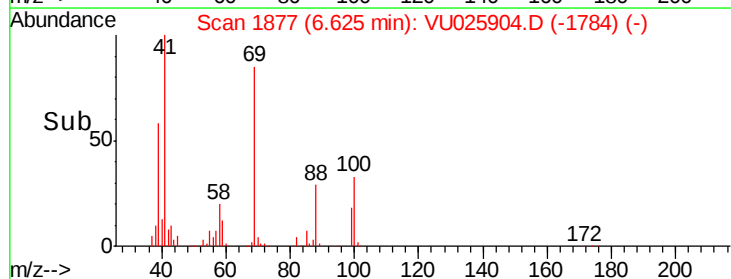
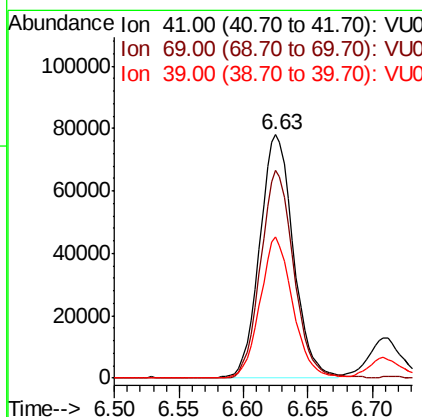
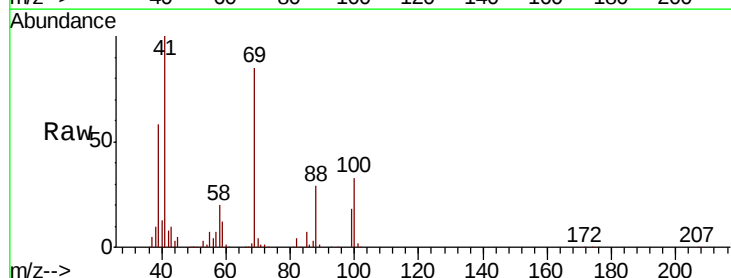
Manual Integrations
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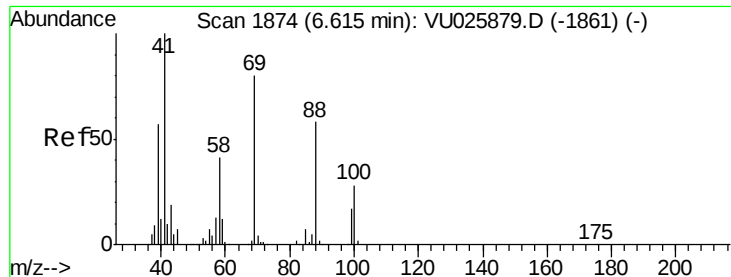
MMDadoda
8/7/2018 1:51:44 PM



#48
Methyl methacrylate
Concen: 52.45 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.6	65.0	97.4
39	56.3	46.4	69.6





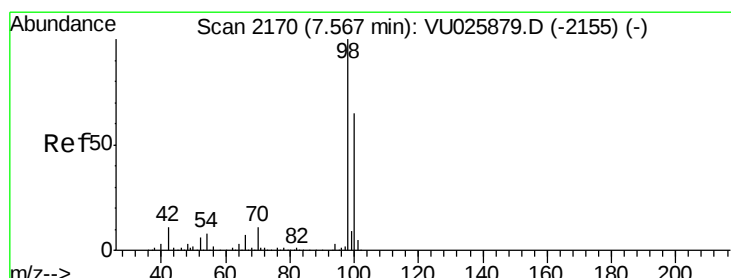
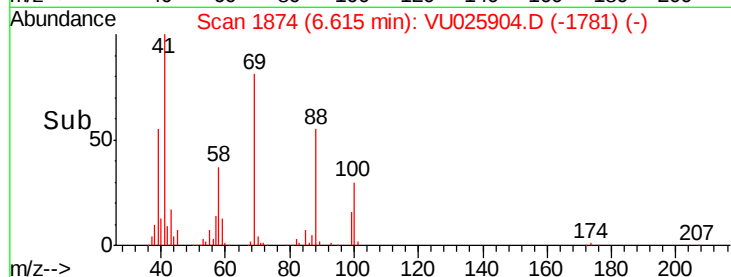
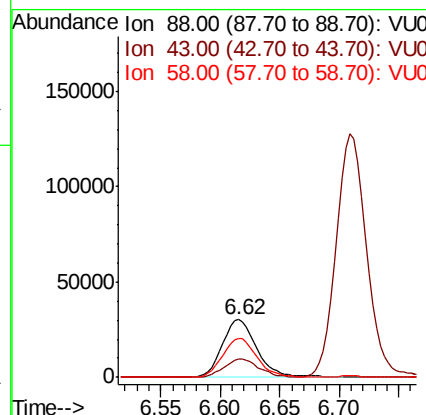
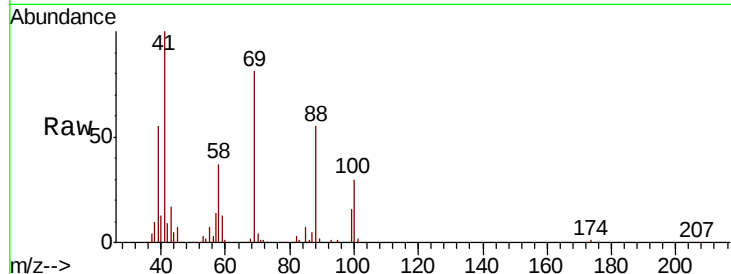
#49
1,4-Dioxane
Concen: 907.02 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	27.3	40.9
58	68.7	57.6	86.4

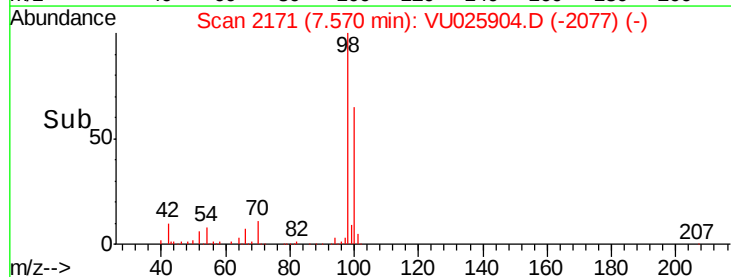
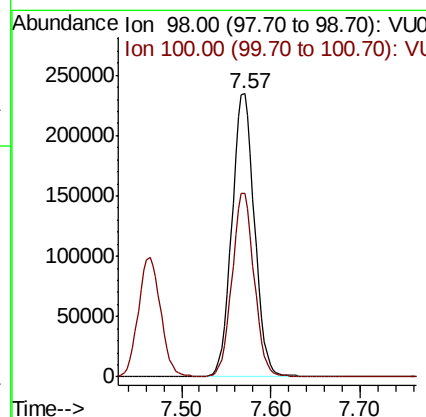
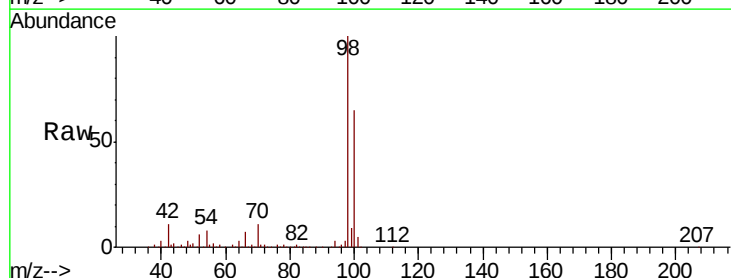
Manual Integrations
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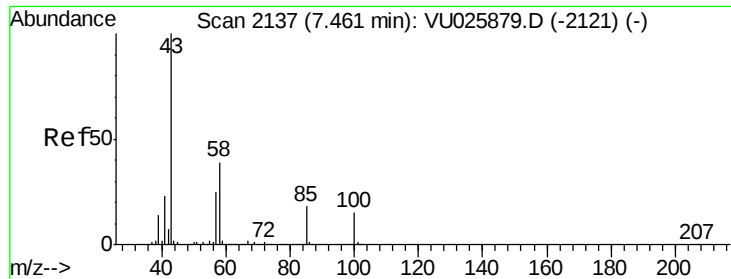
MMDadoda
8/7/2018 1:51:44 PM



#50
Toluene-d8
Concen: 49.26 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 327.30 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion: 43 Resp: 1126269

Ion Ratio Lower Upper

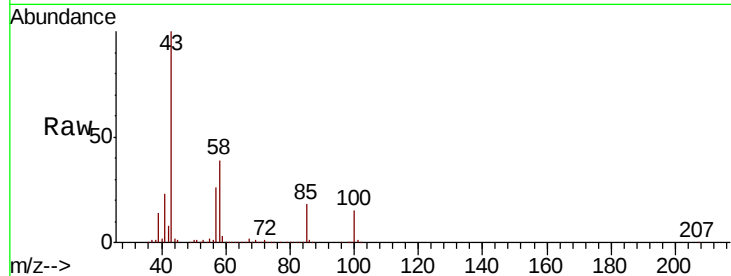
43 100

58 38.8 31.0 46.4

Manual Integrations
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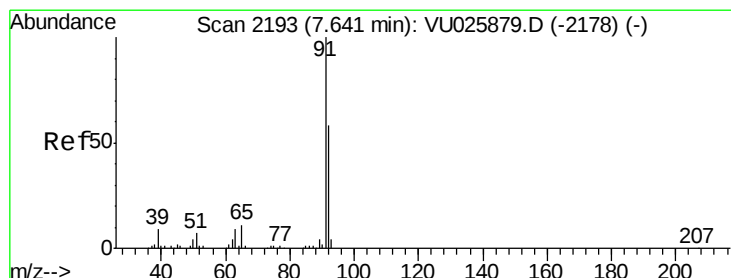
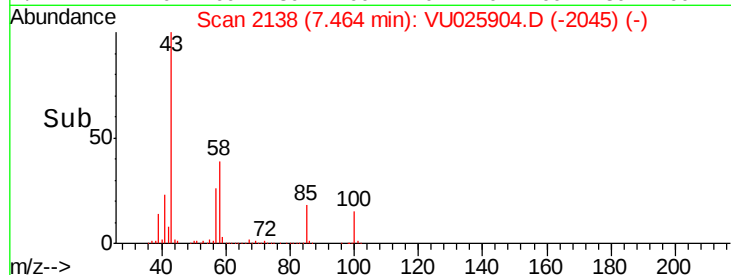
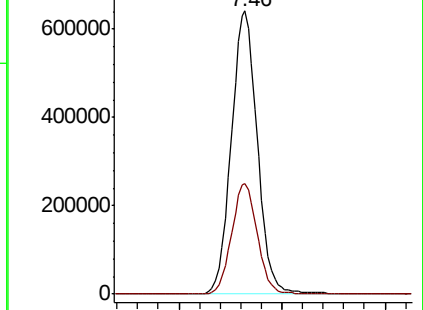
MMDadoda

8/7/2018 1:51:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-2121) (-)

Ion 58.00 (57.70 to 58.70): VU025879.D (-2121) (-)



#52

Toluene

Concen: 51.59 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025904.D

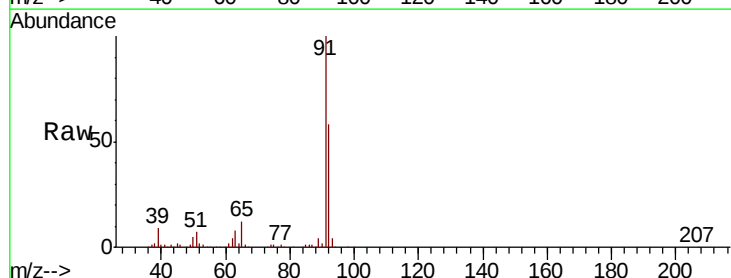
Acq: 06 Aug 2018 22:23

Tgt Ion: 92 Resp: 300508

Ion Ratio Lower Upper

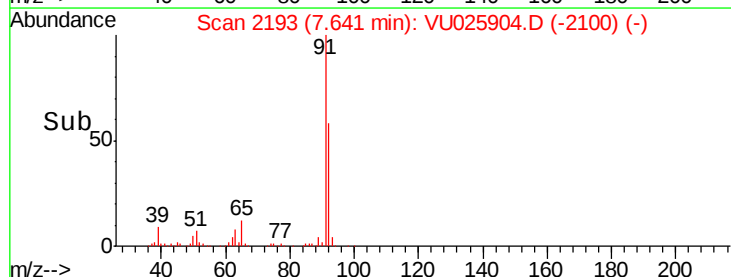
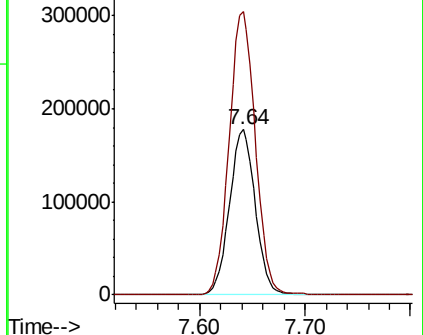
92 100

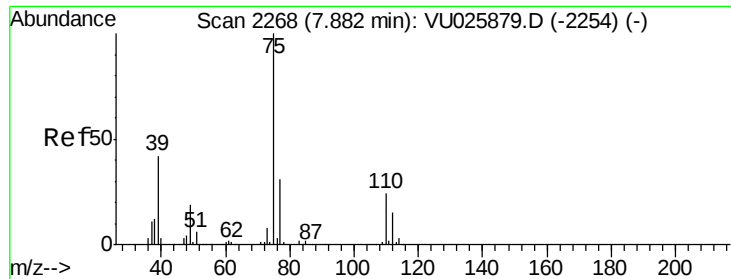
91 173.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025879.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025879.D (-2178) (-)





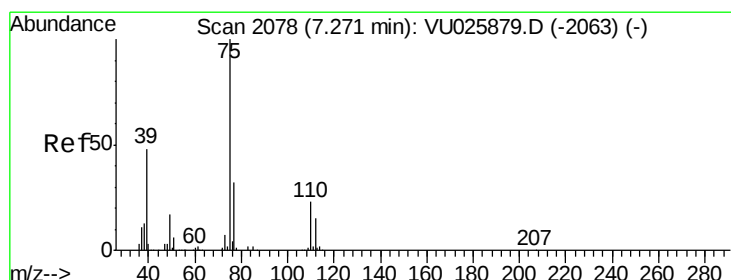
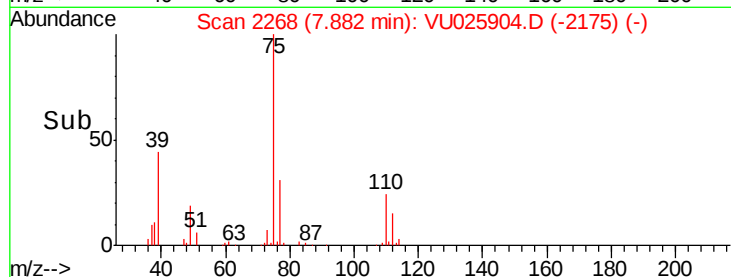
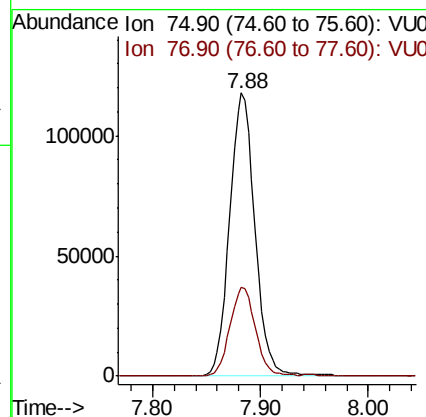
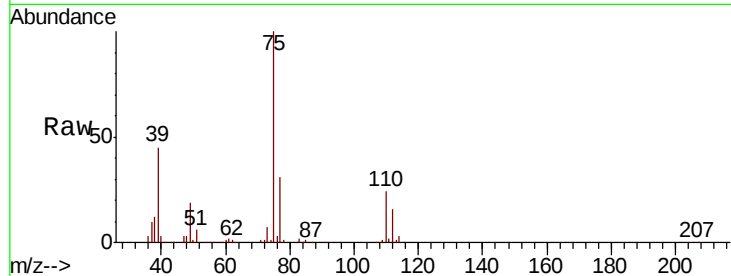
#53
t-1,3-Dichloropropene
Concen: 50.89 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampled :
FL-0519MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7

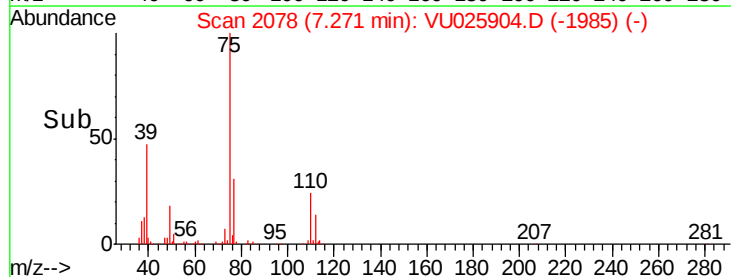
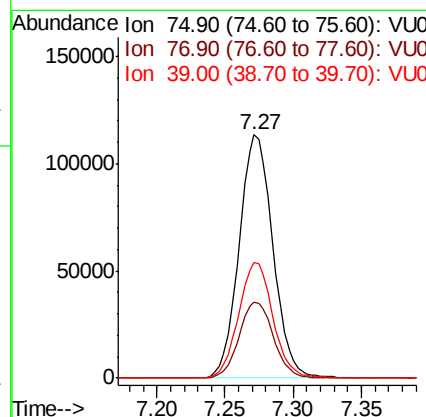
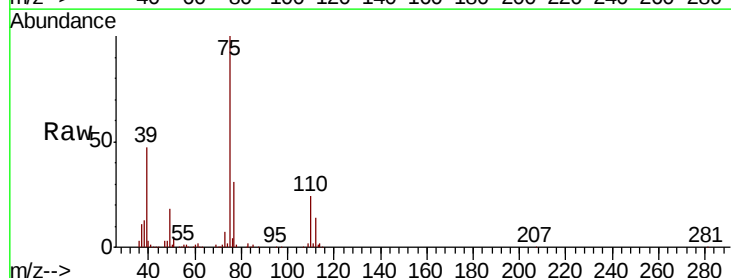
Manual Integrations
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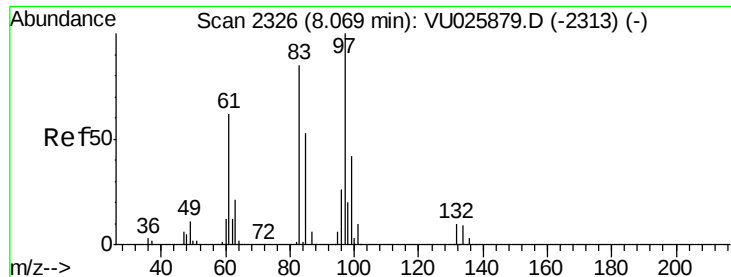
MMDadoda
8/7/2018 1:51:44 PM



#54
cis-1,3-Dichloropropene
Concen: 50.12 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4
39	47.3	40.0	60.0





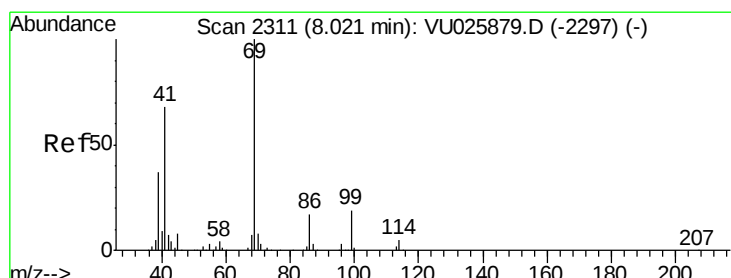
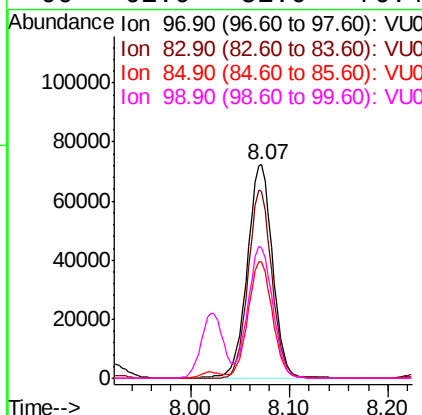
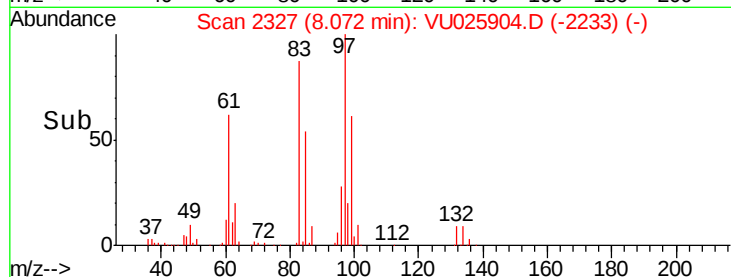
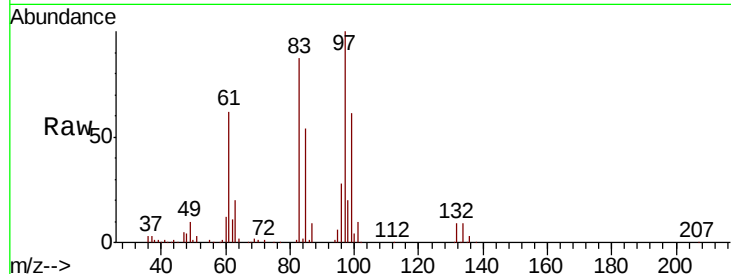
#55
 1,1,2-Trichloroethane
 Concen: 52.70 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		127571		
83	87.5	68.9	103.3		
85	54.1	44.4	66.6		
99	61.0	51.0	76.4		

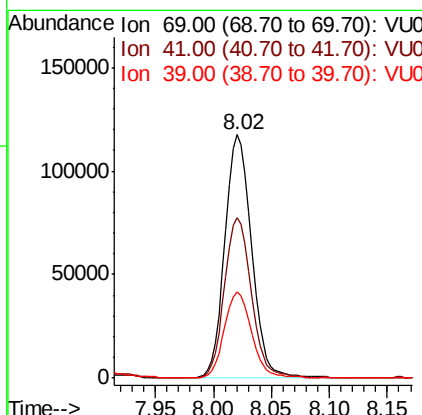
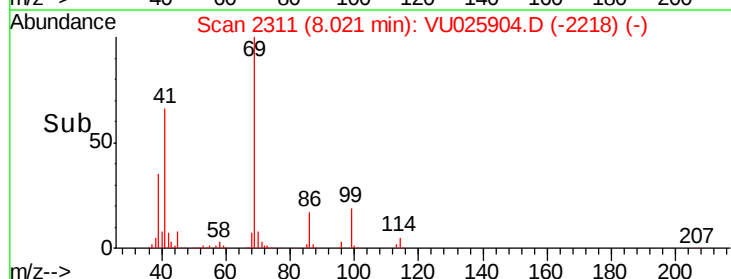
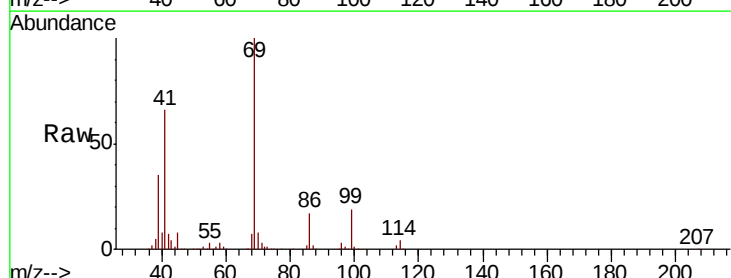
Manual Integrations
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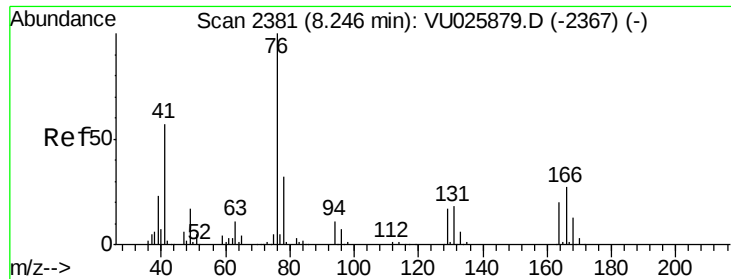
MMDadoda
 8/7/2018 1:51:44 PM



#56
 Ethyl methacrylate
 Concen: 54.36 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		188025		
41	66.7	54.8	82.2		
39	36.1	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 51.14 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion: 76 Resp: 208176

Ion Ratio Lower Upper

76 100

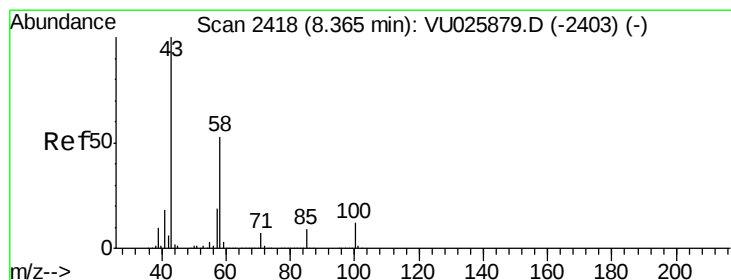
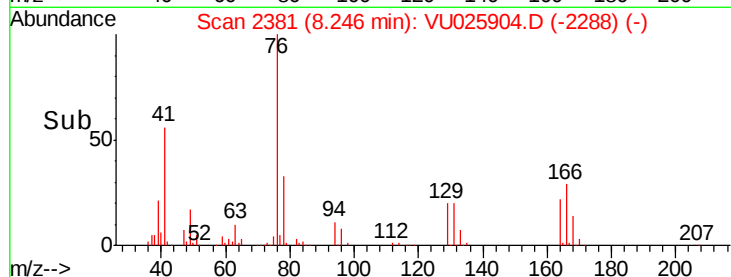
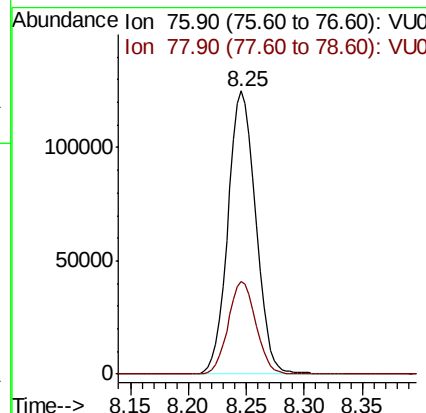
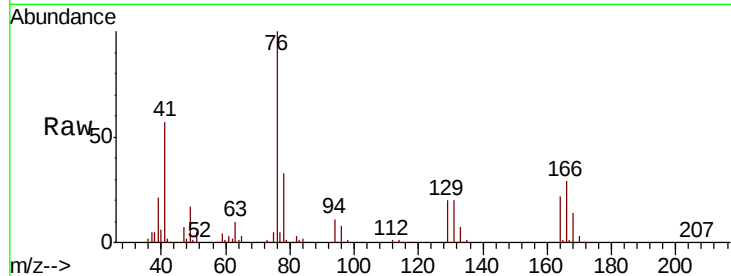
78 32.7 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/7/2018 1:51:44 PM



#59

2-Hexanone

Concen: 323.34 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU025904.D

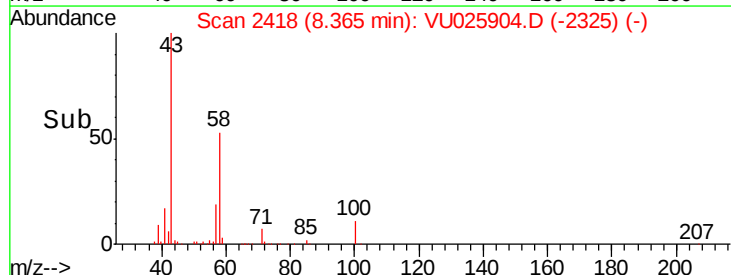
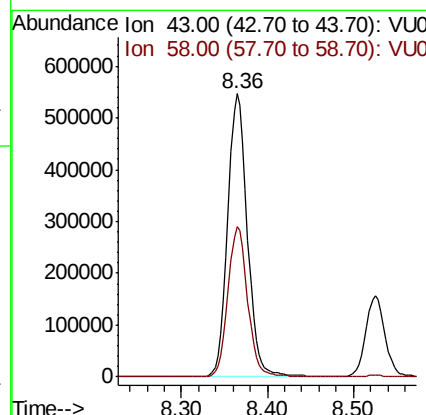
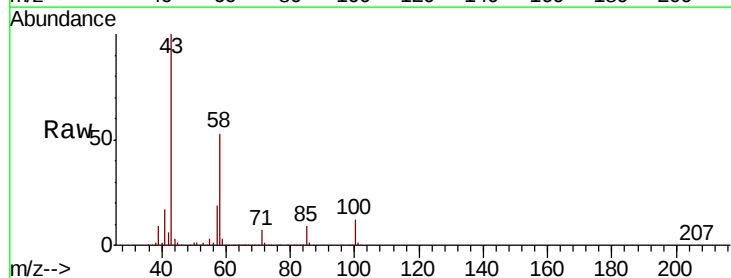
Acq: 06 Aug 2018 22:23

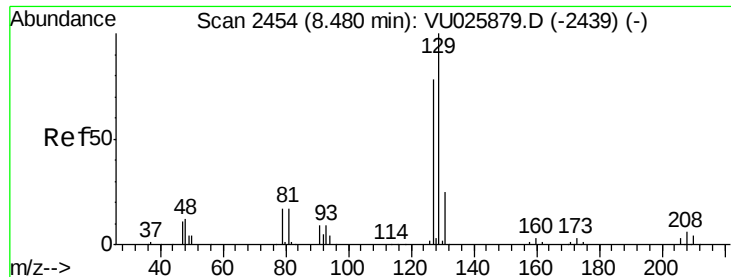
Tgt Ion: 43 Resp: 872169

Ion Ratio Lower Upper

43 100

58 53.5 26.2 78.5





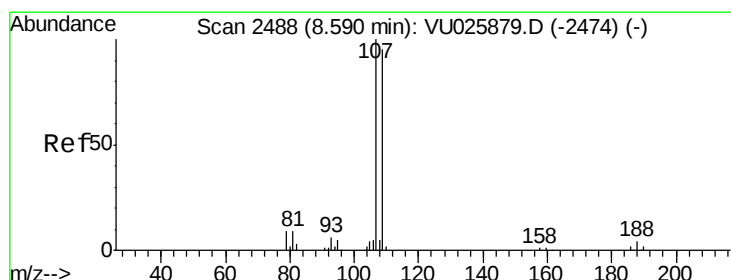
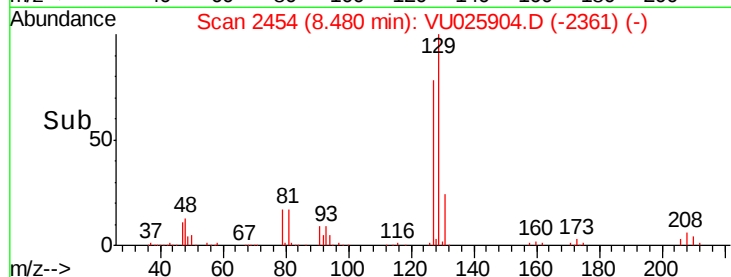
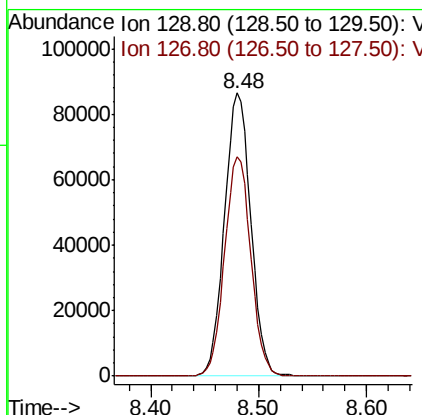
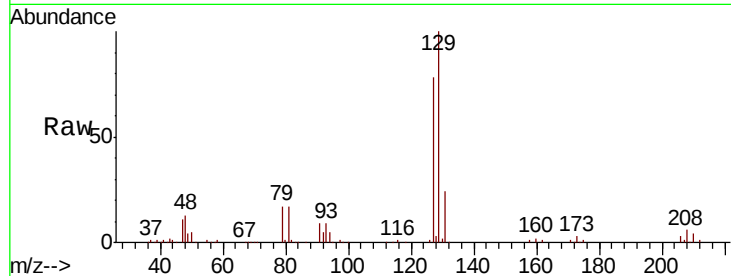
#60
 Dibromochloromethane
 Concen: 51.47 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8

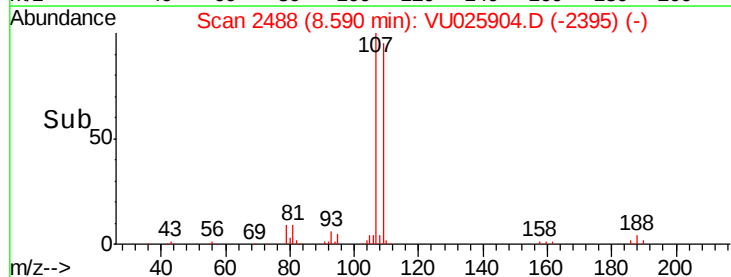
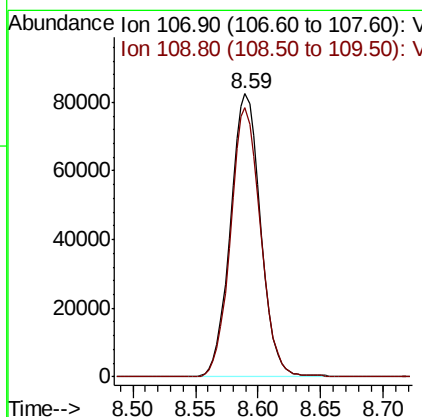
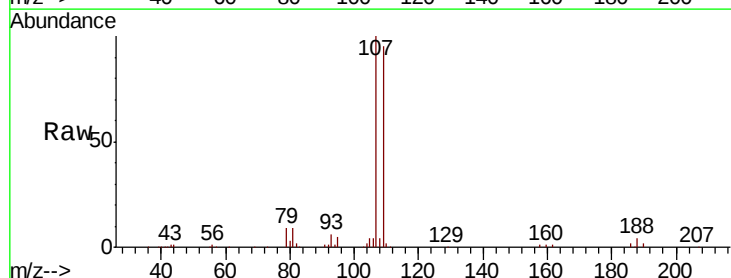
Manual Integrations
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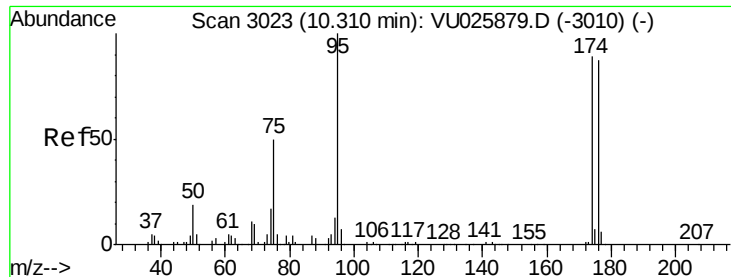
MMDadoda
 8/7/2018 1:51:44 PM



#61
 1,2-Dibromoethane
 Concen: 51.15 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8





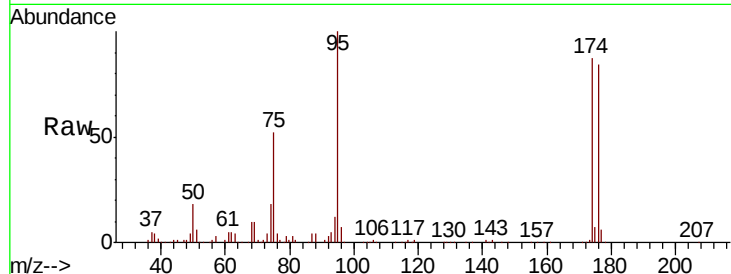
#62
4-Bromofluorobenzene
Concen: 48.67 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	157821		
174	88.2	0.0	172.2	
176	86.1	0.0	162.6	

Manual Integrations
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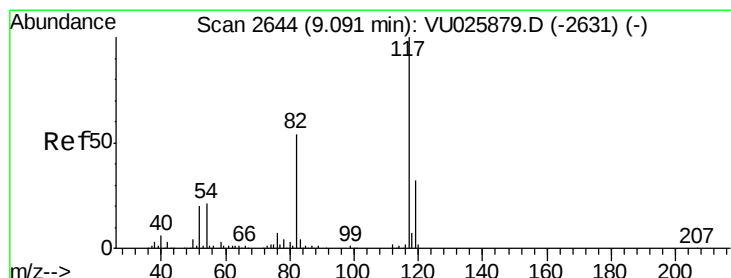
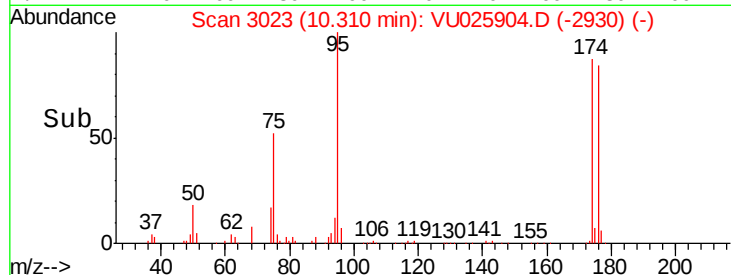
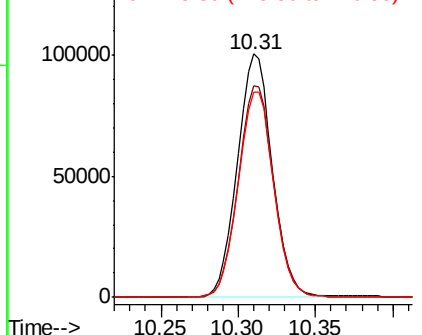
MMDadoda
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Abundance Ion 94.90 (94.60 to 95.60): VU025879.D (-3010) (-)

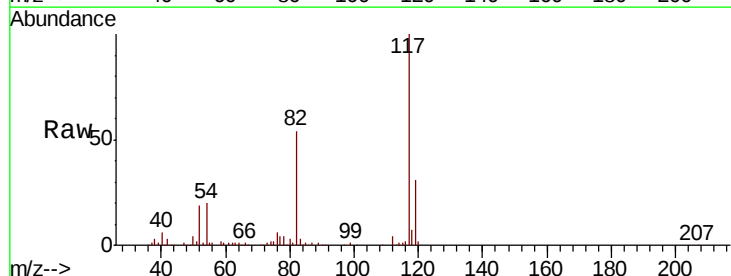
Ion 173.80 (173.50 to 174.50): VU025879.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025879.D (-3010) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

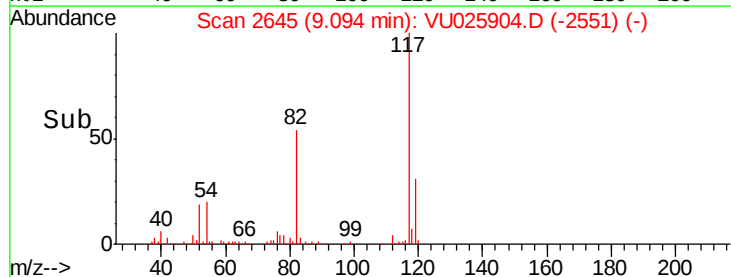
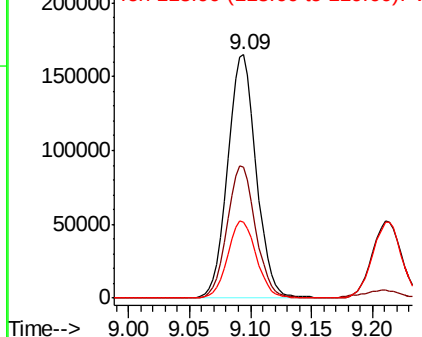
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	270206		
82	53.9	46.0	69.0	
119	31.2	26.0	39.0	

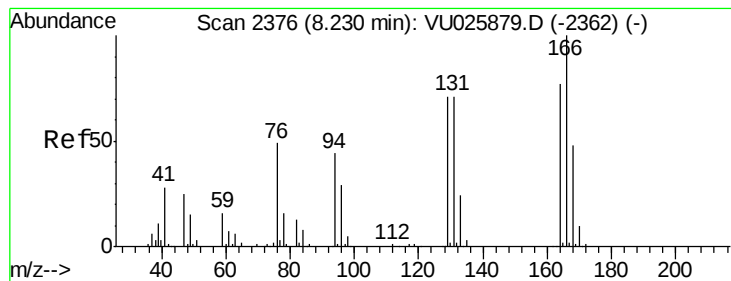


Abundance Ion 116.90 (116.60 to 117.60): VU025879.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025879.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025879.D (-2631) (-)





#64

Tetrachloroethene

Concen: 47.17 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion:164 Resp: 112198

Ion Ratio Lower Upper

164 100

166 130.0 101.1 151.7

129 94.4 73.0 109.6

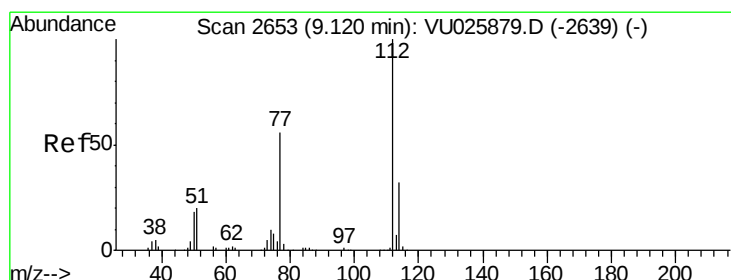
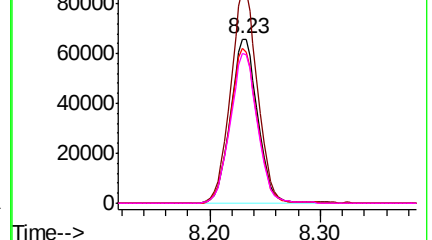
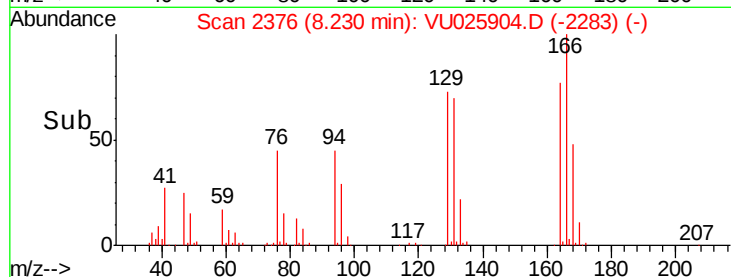
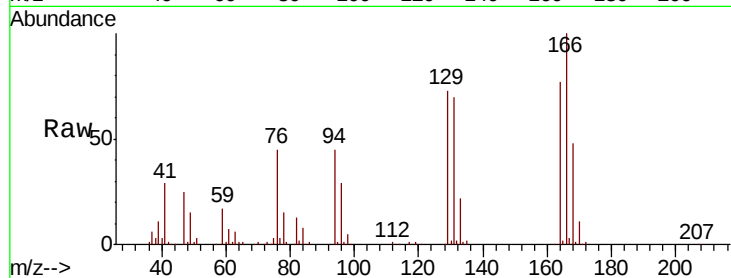
131 91.1 72.1 108.1

Manual Integrations

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#65

Chlorobenzene

Concen: 49.71 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025904.D

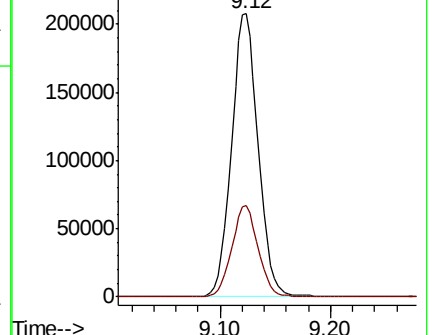
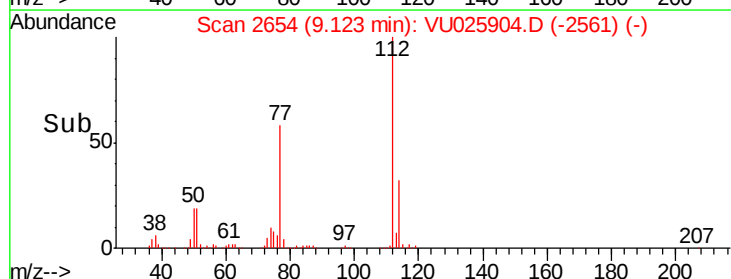
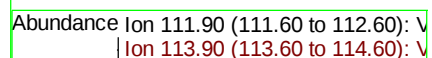
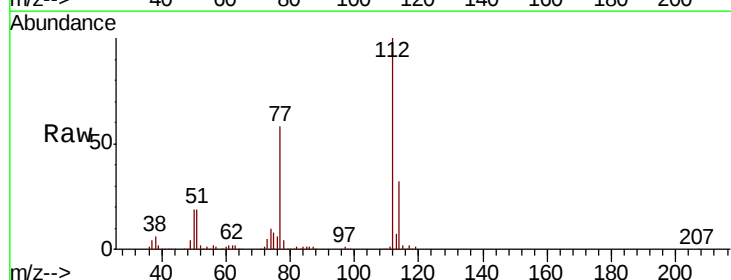
Acq: 06 Aug 2018 22:23

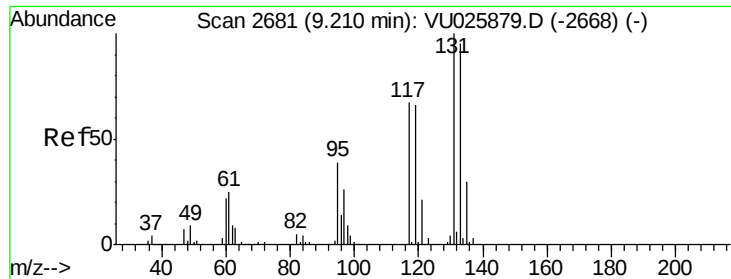
Tgt Ion:112 Resp: 346313

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.21 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

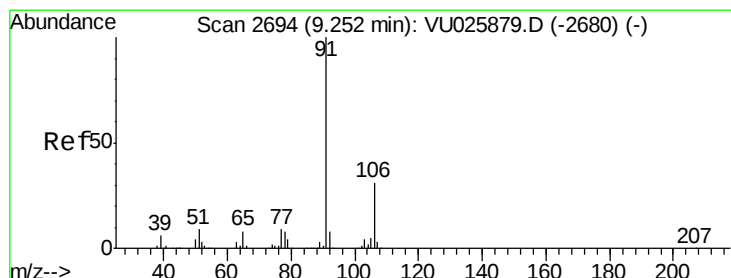
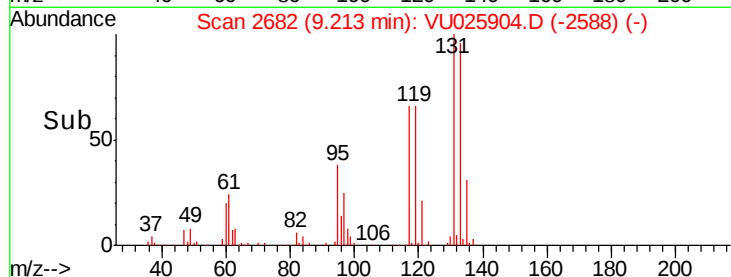
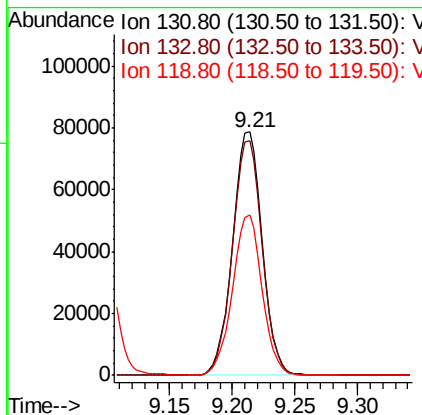
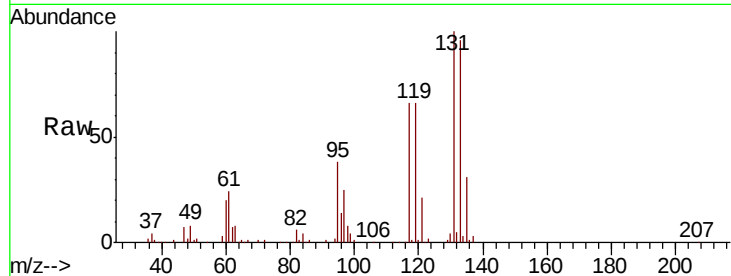
ClientSampled :

FL-0519MSD

Tot Ion:	131	Resp:	129066
Ion Ratio	Lower	Upper	
131	100		
133	97.0	47.8	143.3
119	65.7	31.6	95.0

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#67

Ethyl Benzene

Concen: 99.43 ug/l

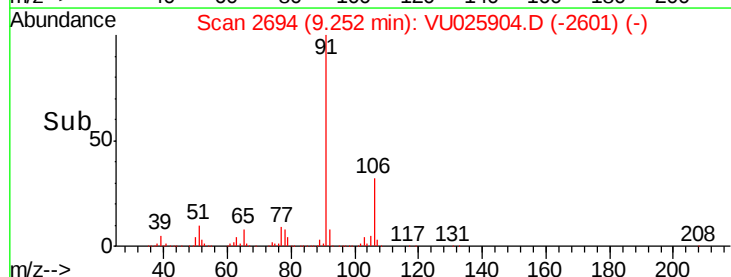
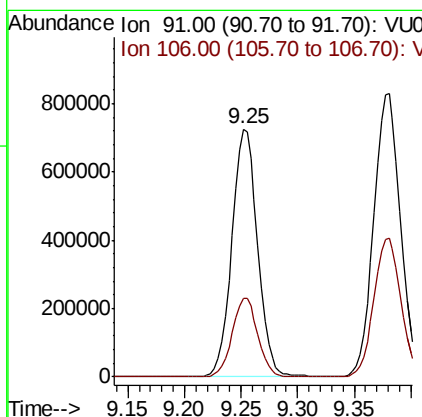
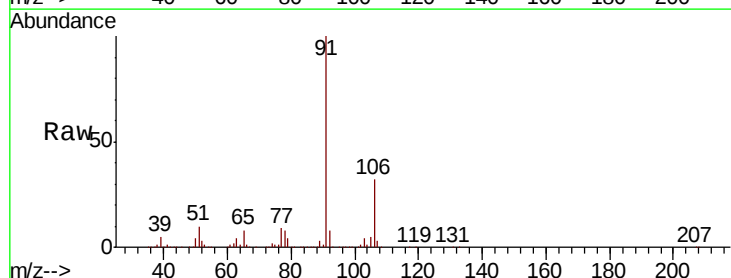
RT: 9.25 min Scan# 2694

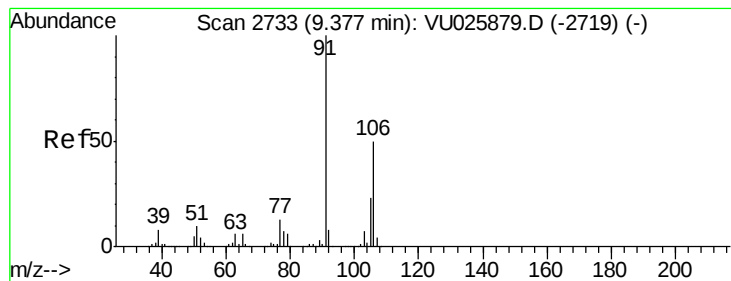
Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	91	Resp:	1147348
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.3	37.9





#68

m/p-Xylenes

Concen: 152.93 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion:106 Resp: 677516

Ion Ratio Lower Upper

106 100

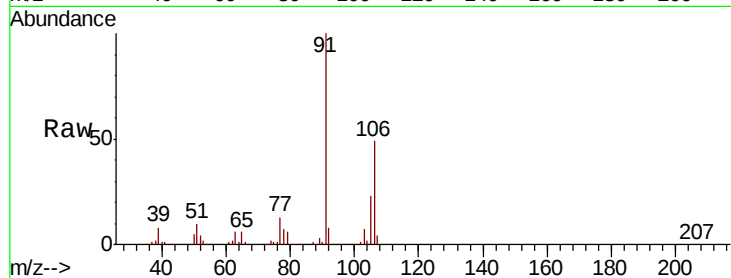
91 202.0 162.3 243.5

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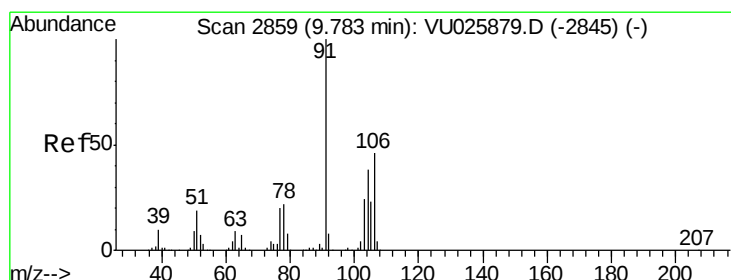
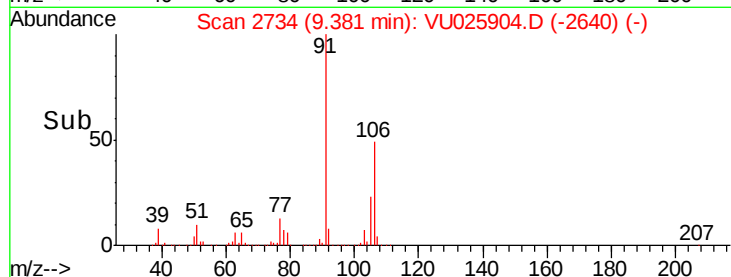
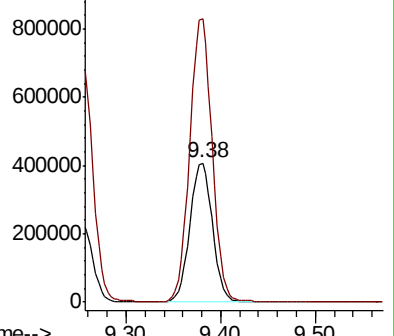
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 52.51 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025904.D

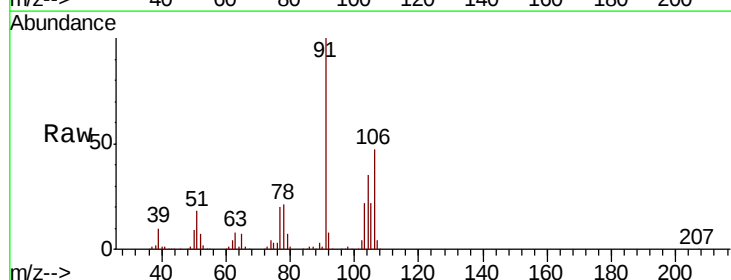
Acq: 06 Aug 2018 22:23

Tgt Ion:106 Resp: 227365

Ion Ratio Lower Upper

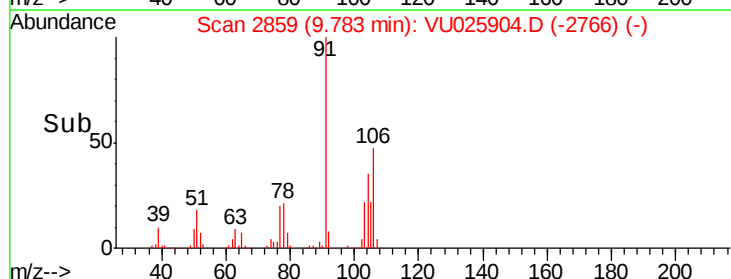
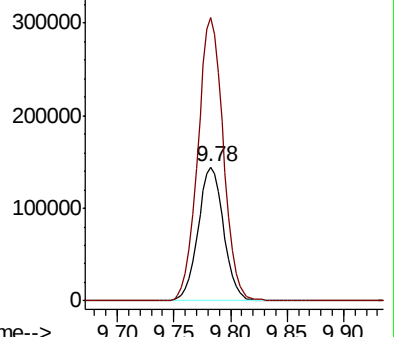
106 100

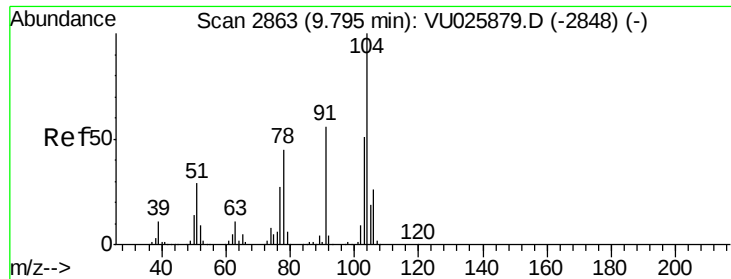
91 211.0 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





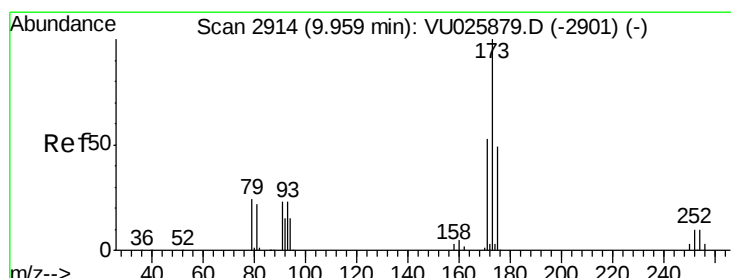
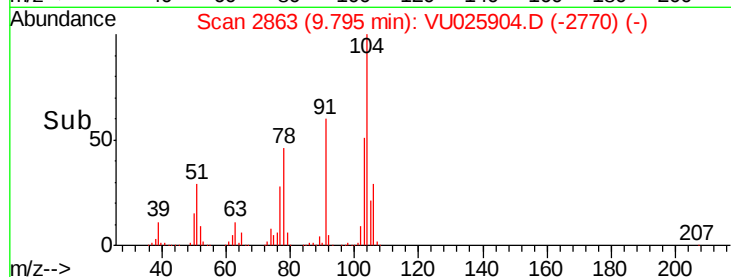
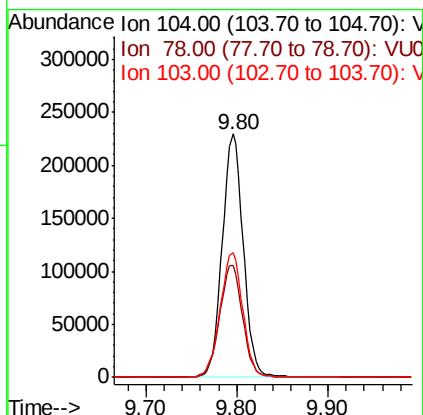
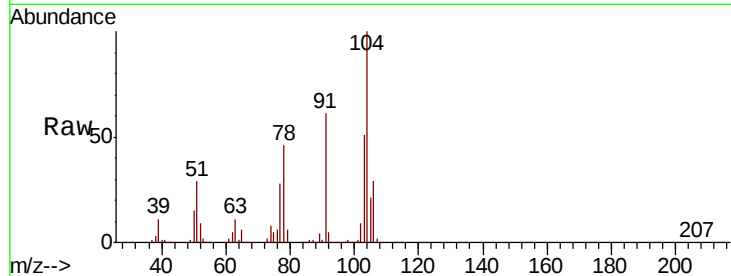
#70
Stvrene
Concen: 52.85 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	369633		
78	50.3		41.6	62.4
103	55.1		44.6	66.8

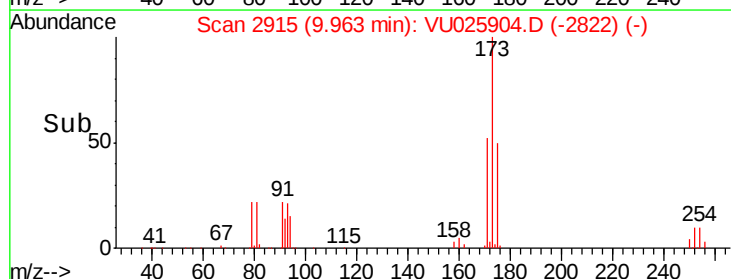
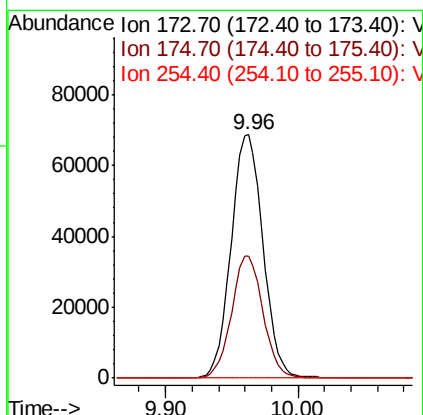
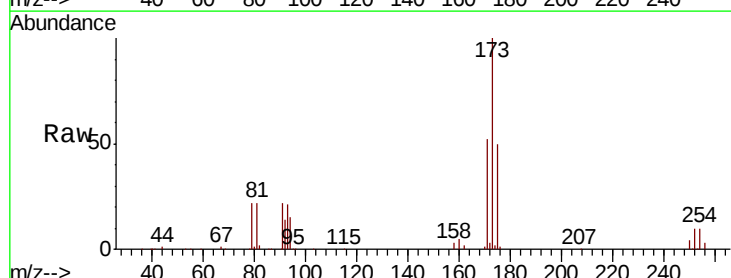
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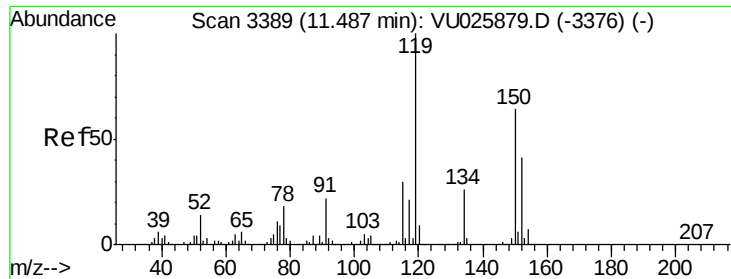
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#71
Bromoform
Concen: 52.56 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	114860		
175	49.4		24.0	72.0
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

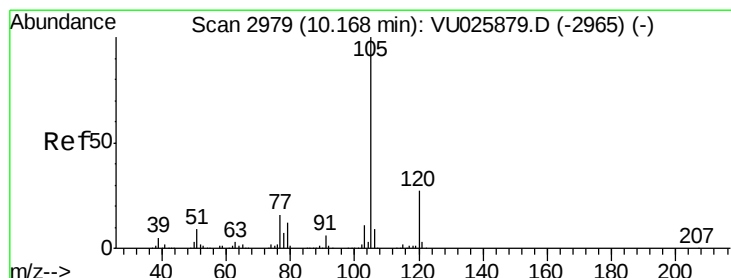
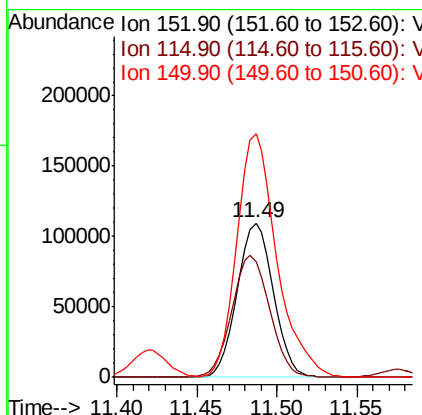
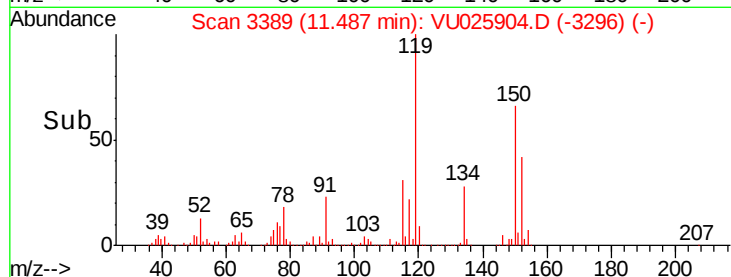
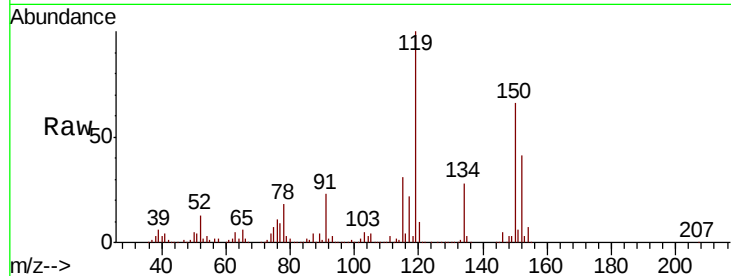
ClientSampleId :

FL-0519MSD

Tot Ion:	152	Resp:	168338
Ion Ratio	Lower	Upper	
152	100		
115	82.2	40.1	120.3
150	174.5	0.0	351.4

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#73

Isopropylbenzene

Concen: 56.66 ug/l

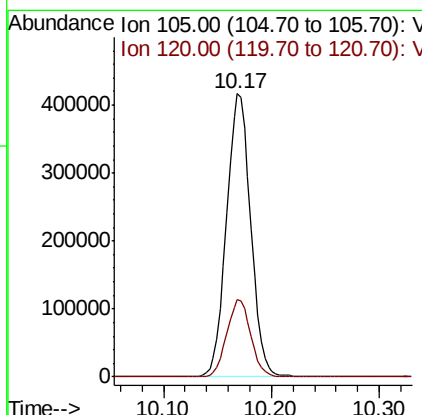
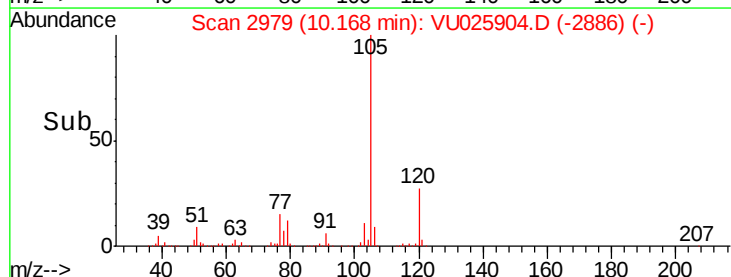
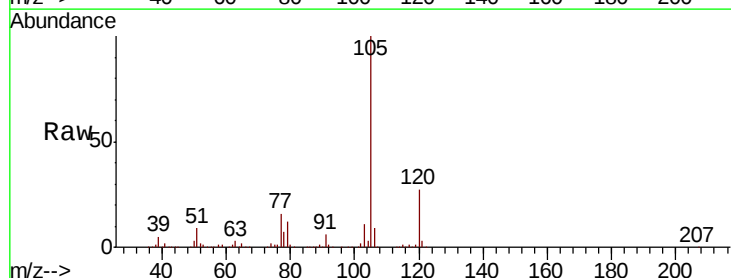
RT: 10.17 min Scan# 2979

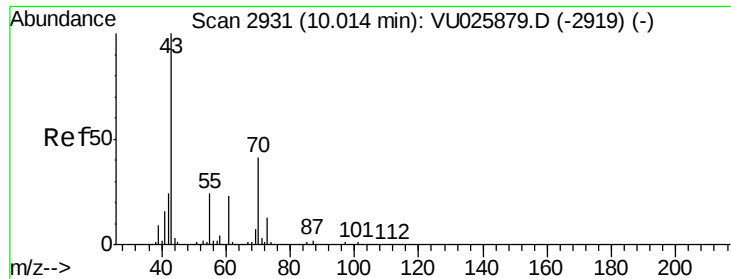
Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	105	Resp:	651038
Ion Ratio	Lower	Upper	
105	100		
120	27.0	13.5	40.5





#74

N-amvl acetate

Concen: 52.35 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

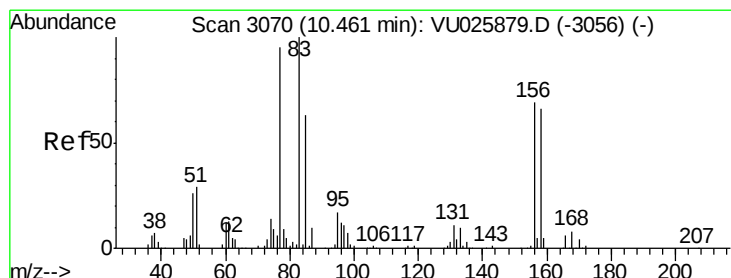
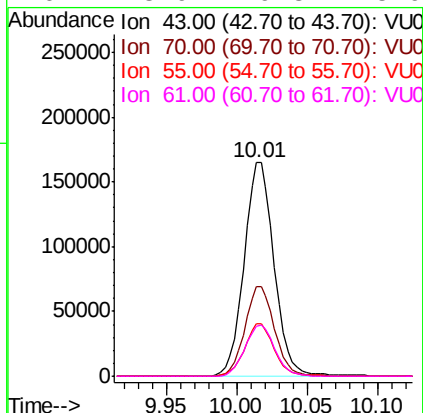
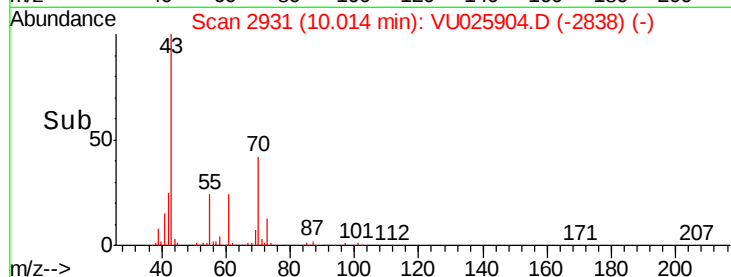
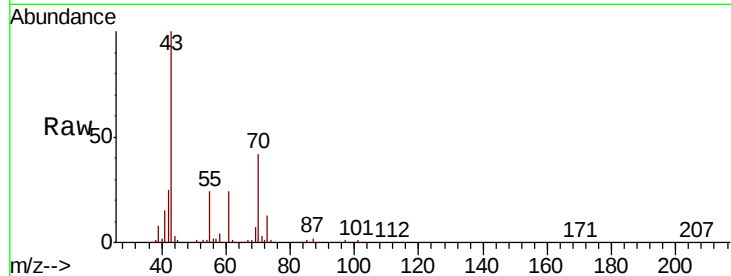
ClientSampleId :

FL-0519MSD

Tot Ion:	43	Resp:	245560
Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.4	50.2
55	24.3	19.0	28.6
61	23.9	19.3	28.9

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 50.40 ug/l

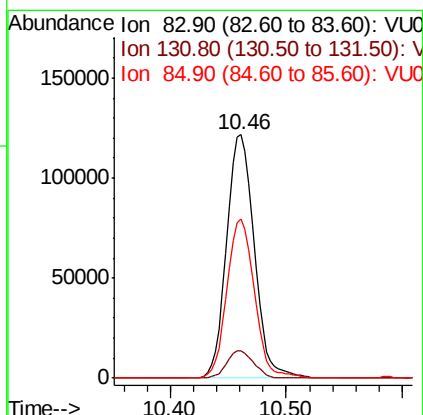
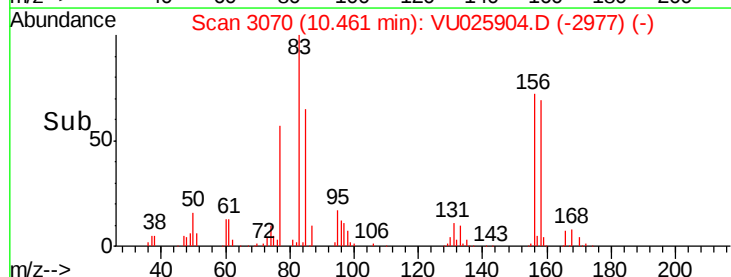
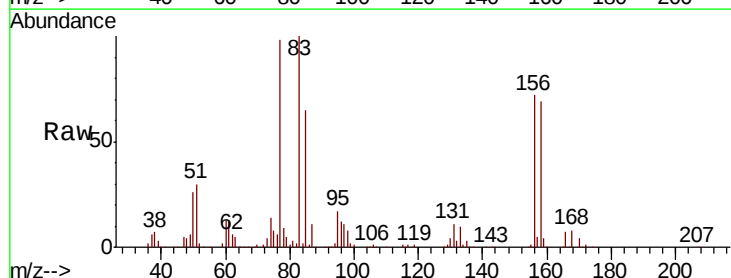
RT: 10.46 min Scan# 3070

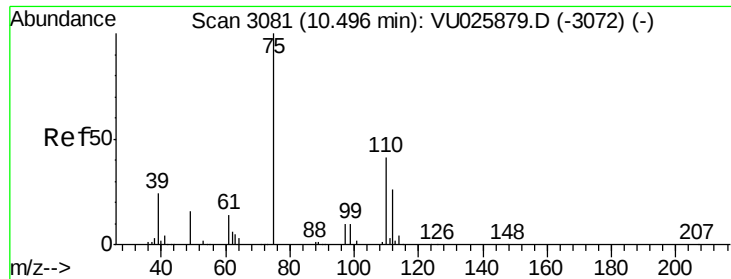
Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Tgt Ion:	83	Resp:	200262
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	65.1	31.6	94.8





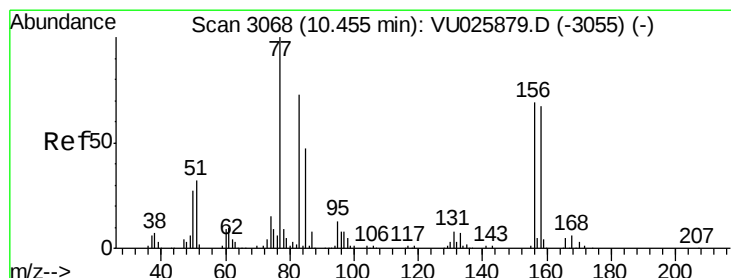
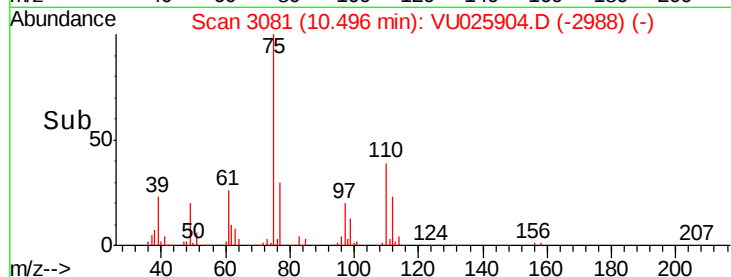
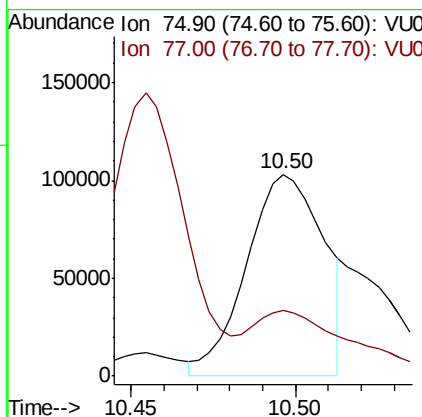
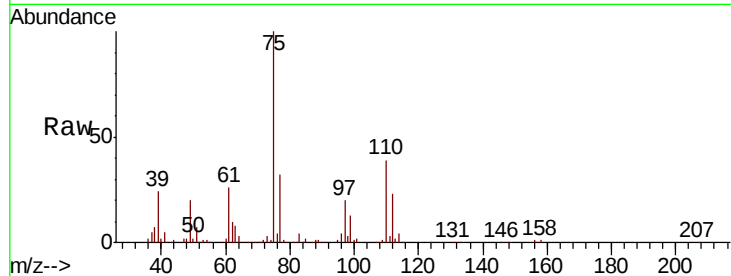
#76
 1,2,3-Trichloropropane
 Concen: 45.16 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion: 75 Resp: 167516
 Ion Ratio Lower Upper
 75 100
 77 39.9 20.4 61.3

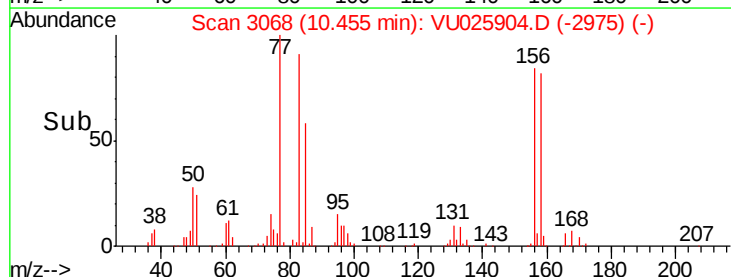
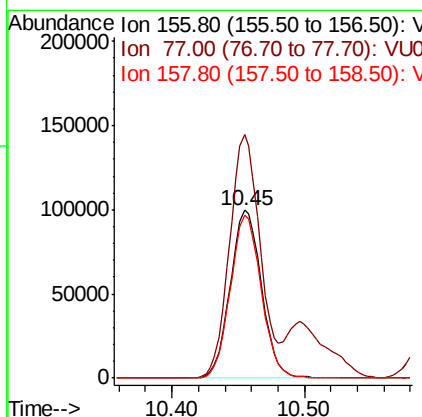
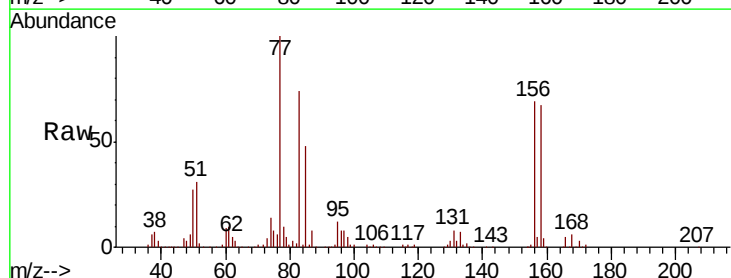
Manual Integrations
 APPROVED

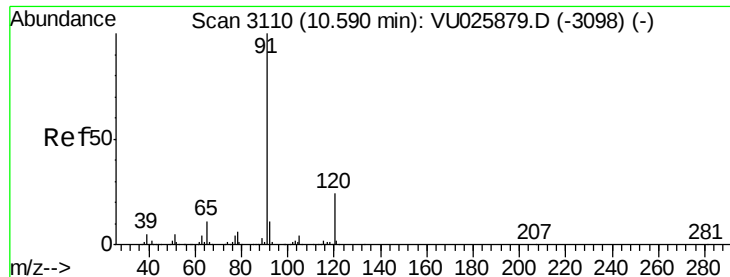
MMDadoda
 8/7/2018 1:51:44 PM



#77
 Bromobenzene
 Concen: 51.43 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion: 156 Resp: 162988
 Ion Ratio Lower Upper
 156 100
 77 142.3 73.8 221.4
 158 96.1 48.0 144.0





#78

n-propylbenzene

Concen: 59.29 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion: 91 Resp: 795111

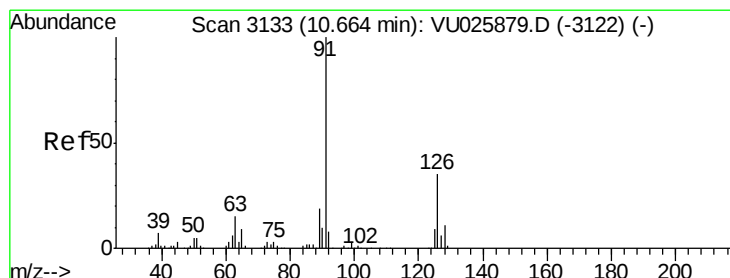
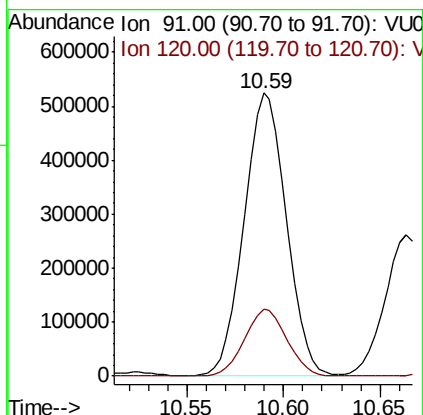
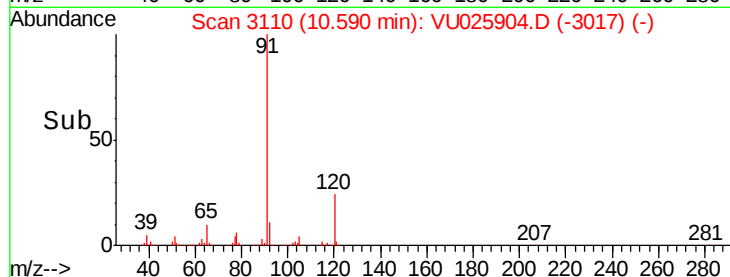
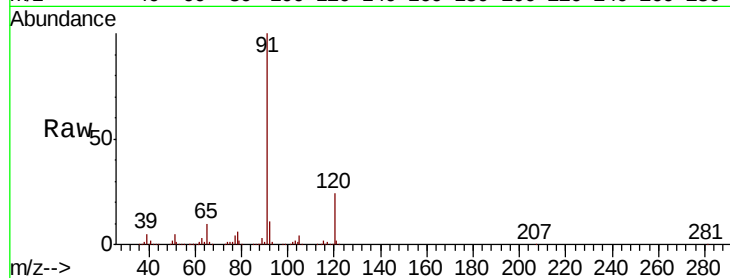
Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.3

Manual Integrations
APPROVED

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#79

2-Chlorotoluene

Concen: 50.84 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025904.D

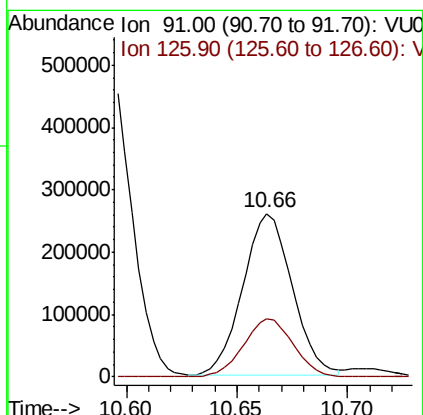
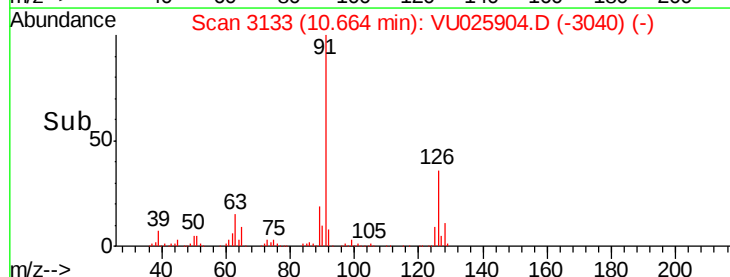
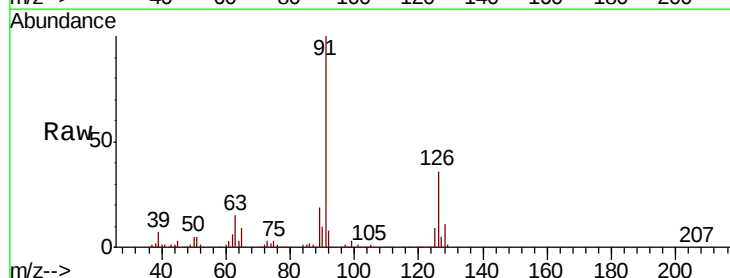
Acq: 06 Aug 2018 22:23

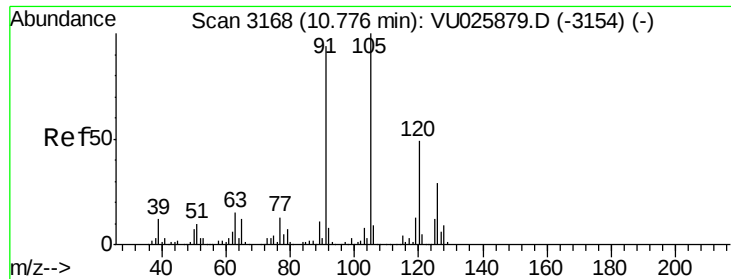
Tgt Ion: 91 Resp: 399300

Ion Ratio Lower Upper

91 100

126 36.6 17.5 52.6





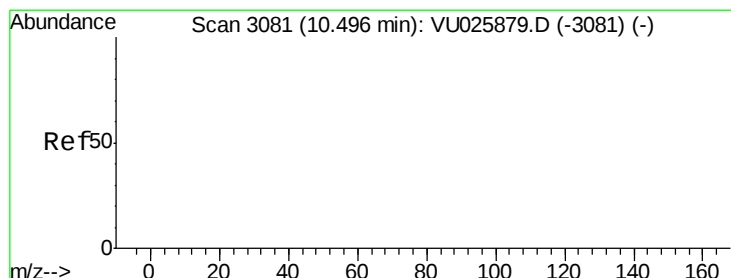
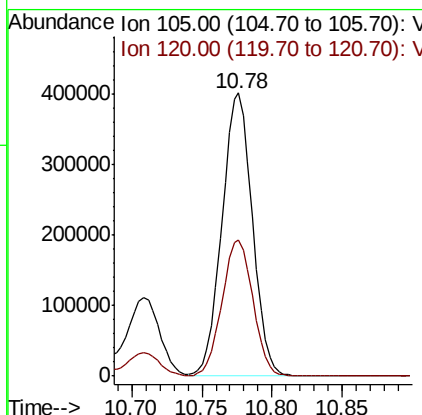
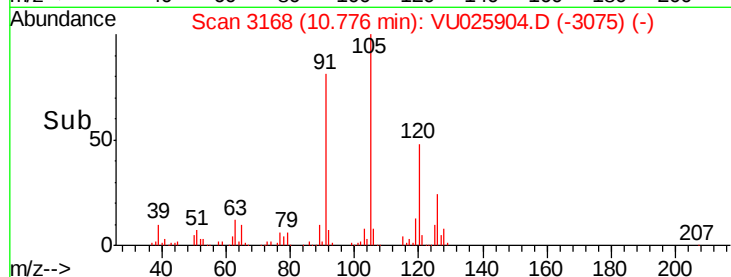
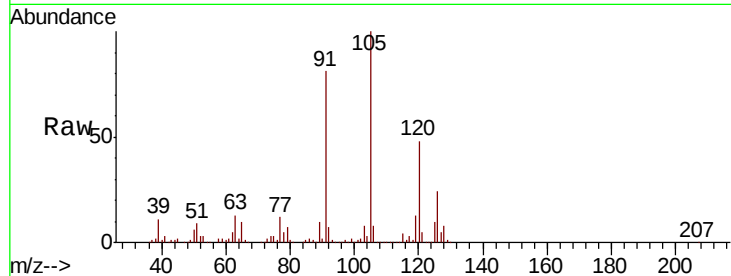
#80
 1,3,5-Trimethylbenzene
 Concen: 61.77 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.1	72.2

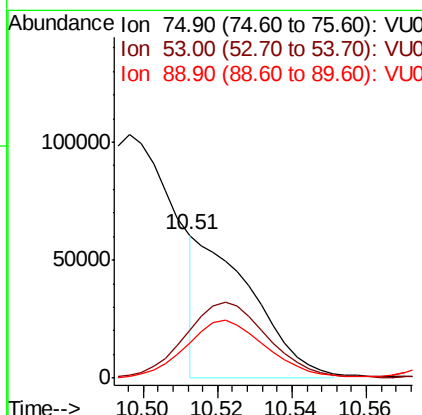
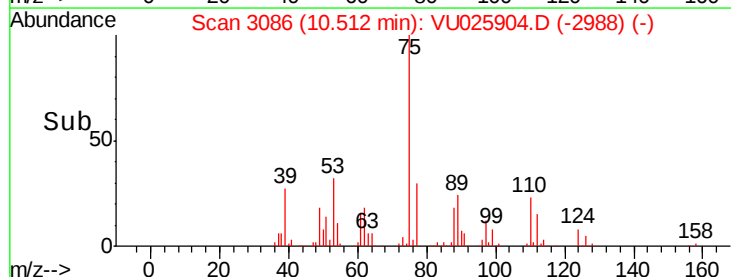
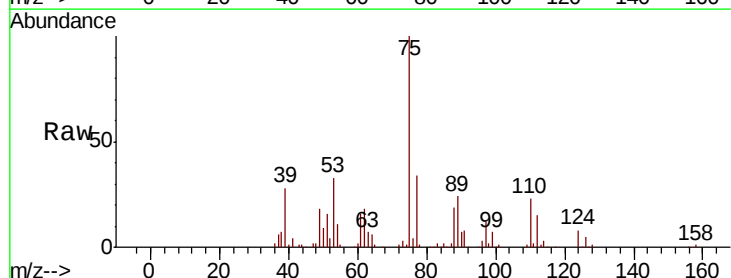
Manual Integrations
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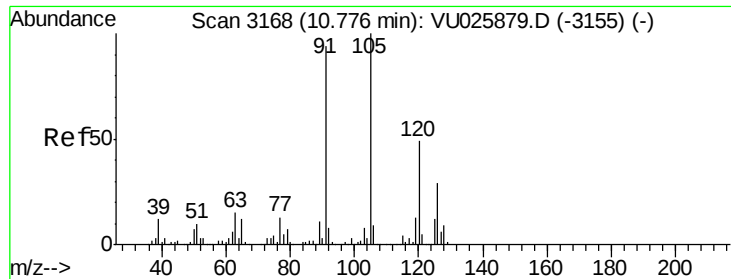
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.15 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.02 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

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





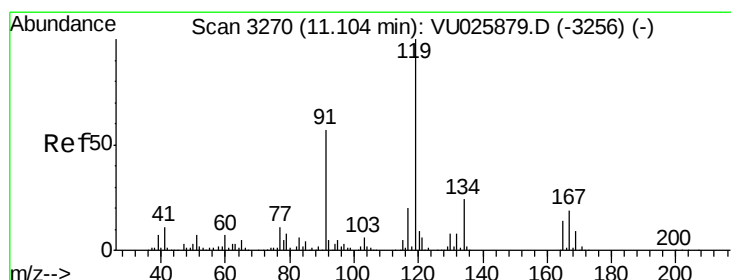
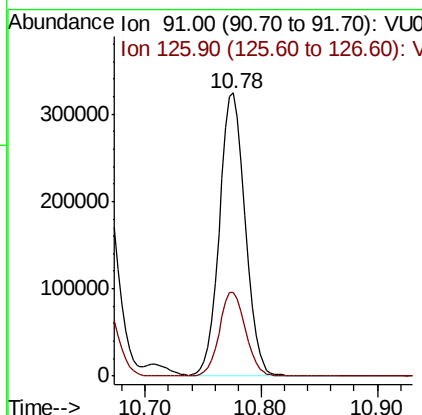
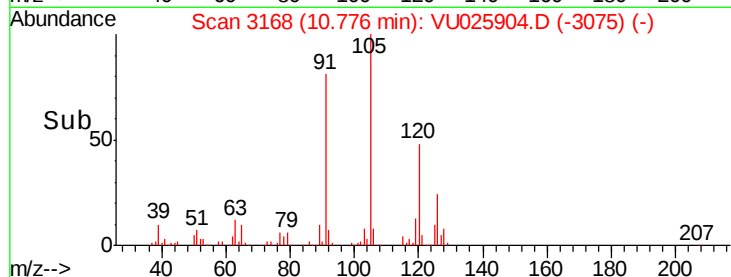
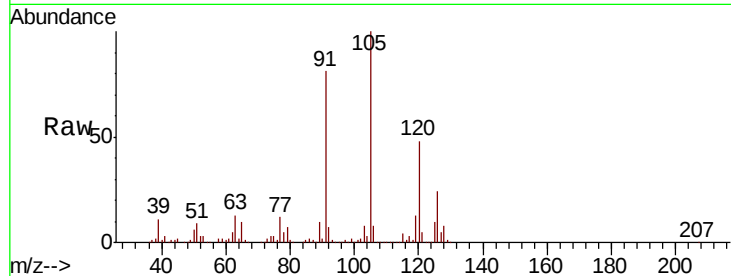
#82
4-Chlorotoluene
Concen: 53.72 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Instrument :
MSVOA_U
ClientSampled :
FL-0519MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	497403		
126	30.2	15.3	45.9	

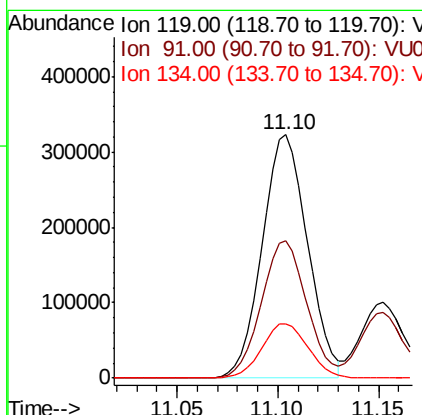
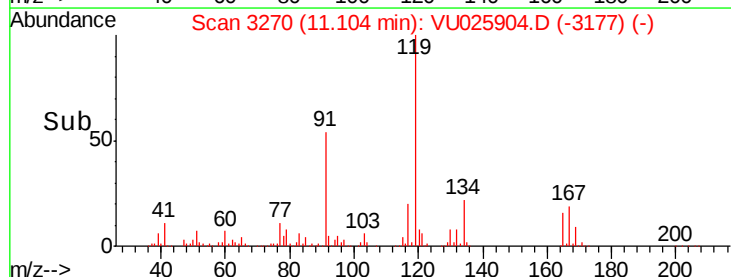
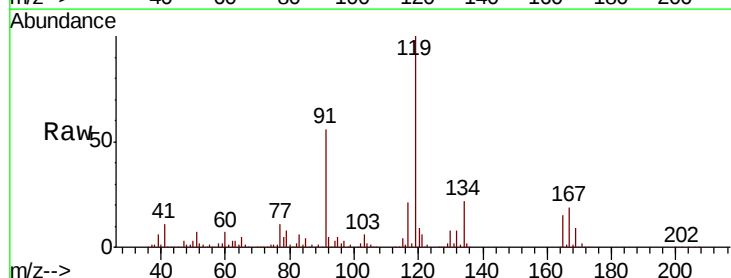
Manual Integrations
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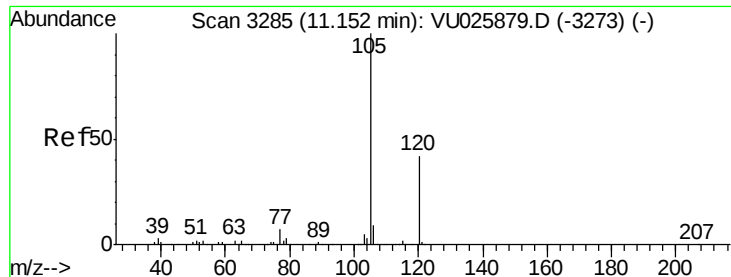
MMDadoda
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#83
tert-Butylbenzene
Concen: 52.08 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	504938		
91	56.5	29.7	89.1	
134	22.8	11.5	34.5	





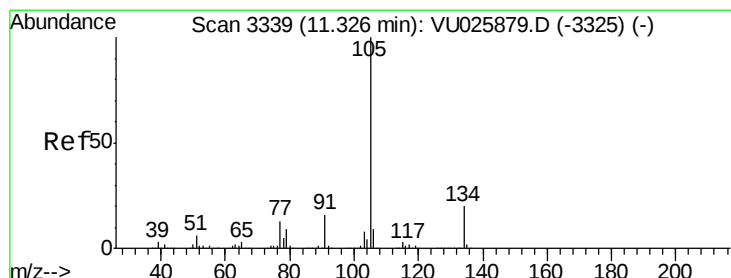
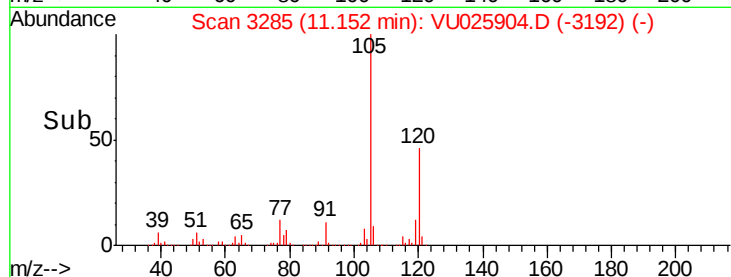
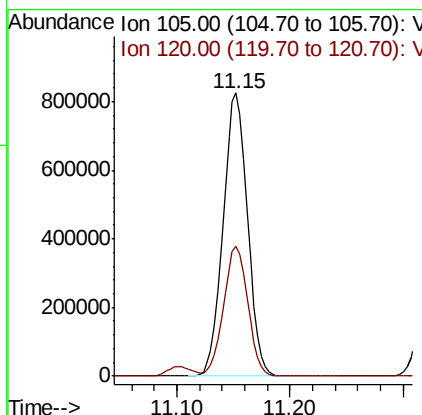
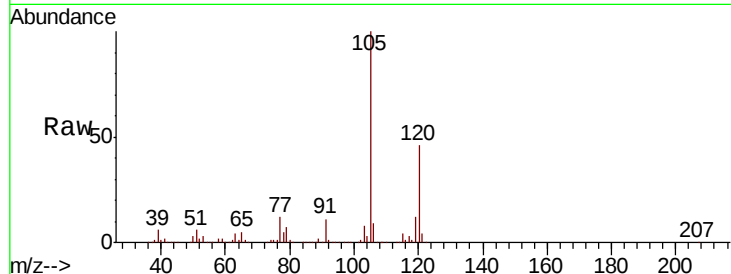
#84
 1,2,4-Trimethylbenzene
 Concen: 124.98 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8

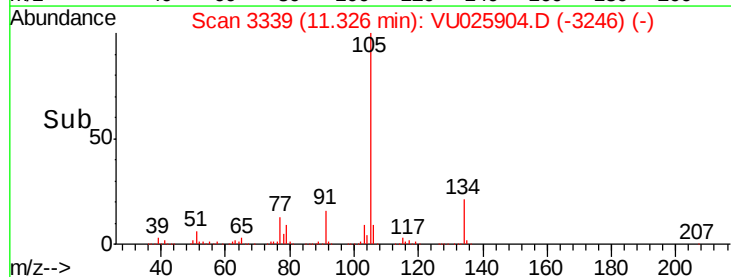
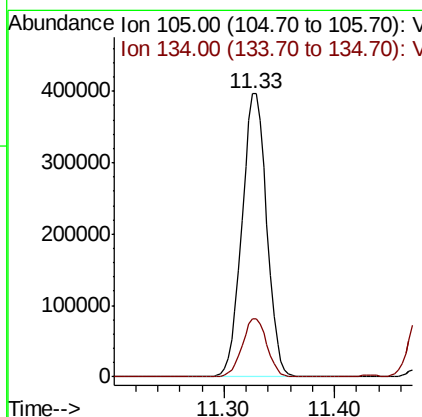
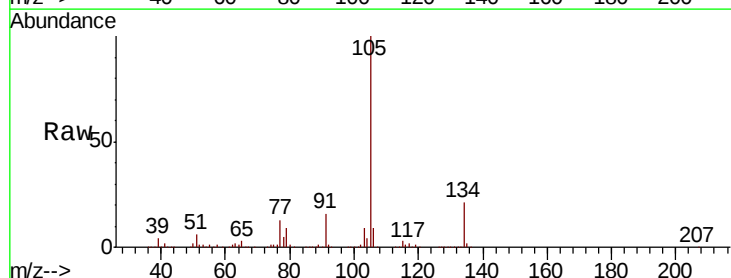
Manual Integrations
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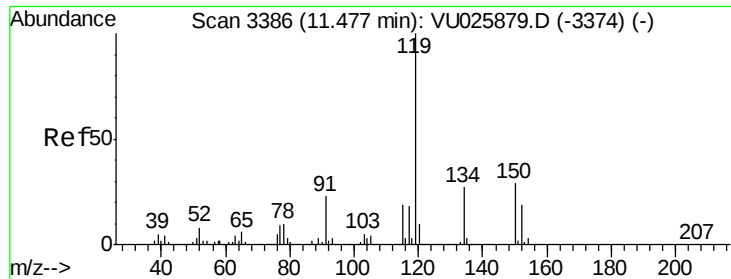
MMDadoda
 8/7/2018 1:51:44 PM



#85
 sec-Butylbenzene
 Concen: 52.01 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8





#86
p-Isopropyltoluene
Concen: 52.41 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

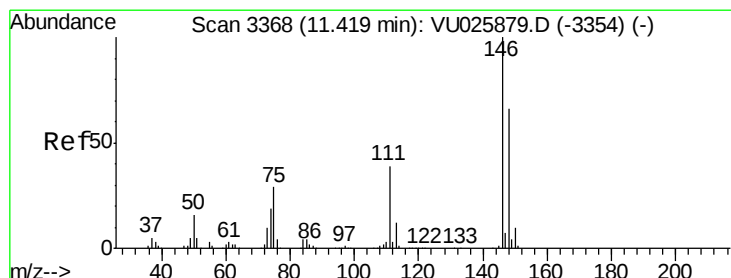
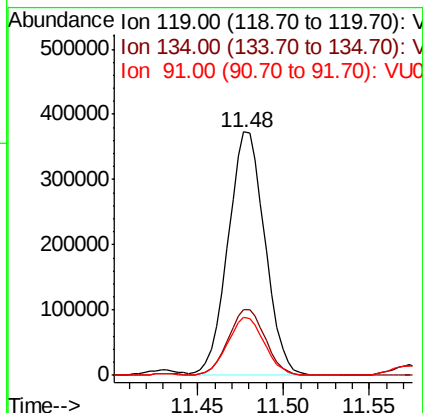
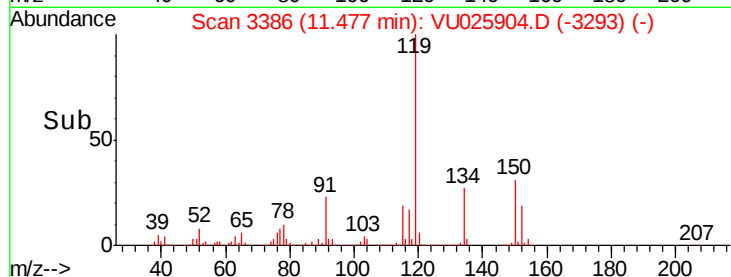
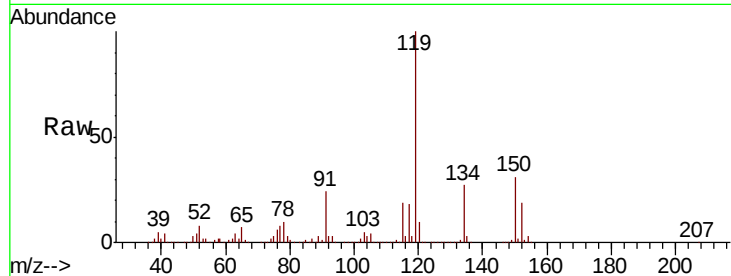
Instrument :
MSVOA_U
ClientSampled :
FL-0519MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	555506		
134	27.1		13.2	39.5
91	23.7		12.0	36.1

Manual Integrations
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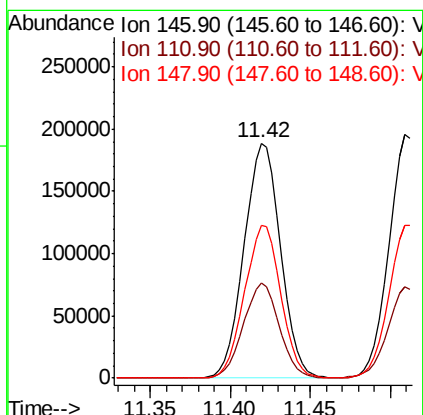
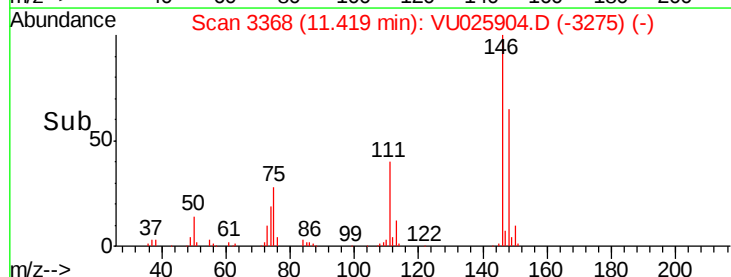
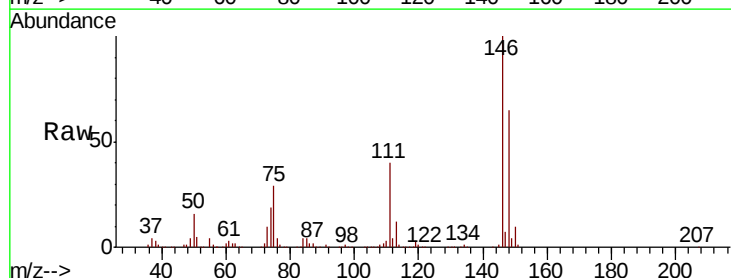
MMDadoda

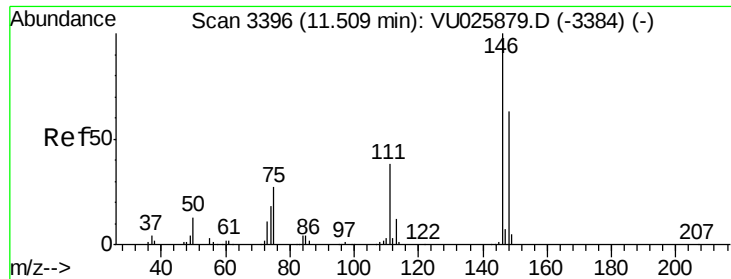
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#87
1,3-Dichlorobenzene
Concen: 50.00 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025904.D
Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	294093		
111	39.8		19.7	59.1
148	64.7		32.1	96.3





#88
 1,4-Dichlorobenzene
 Concen: 49.23 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

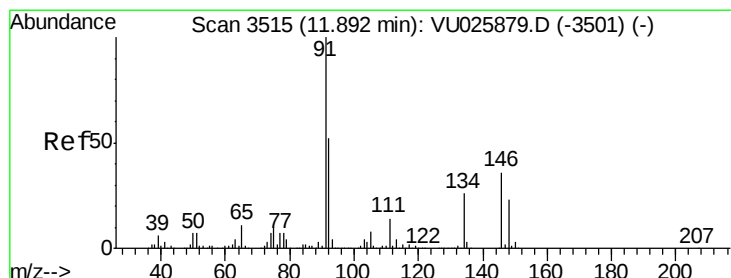
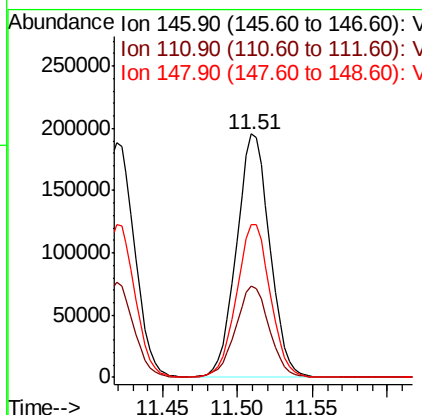
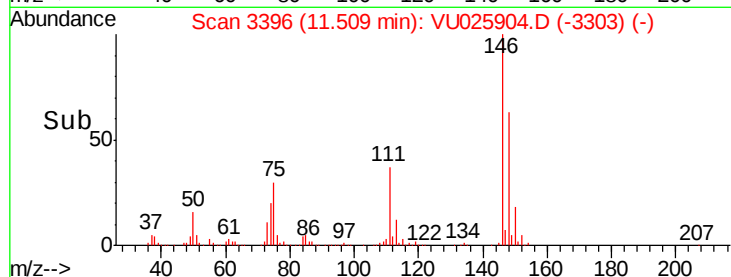
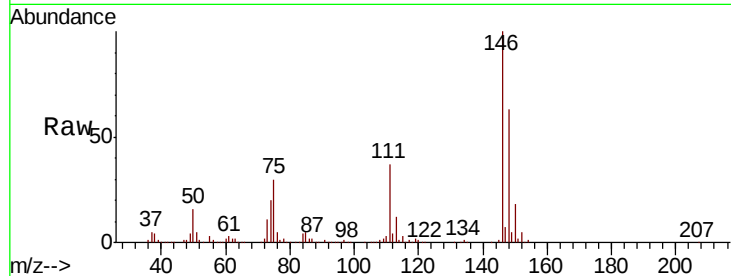
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.1	31.7	95.1

Manual Integrations
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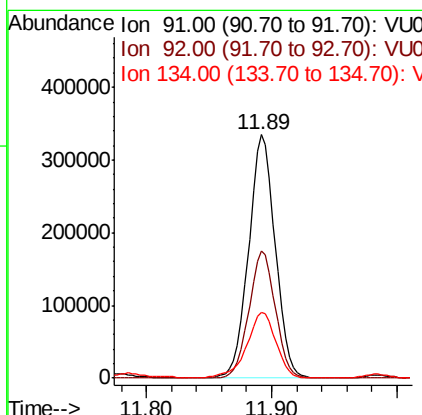
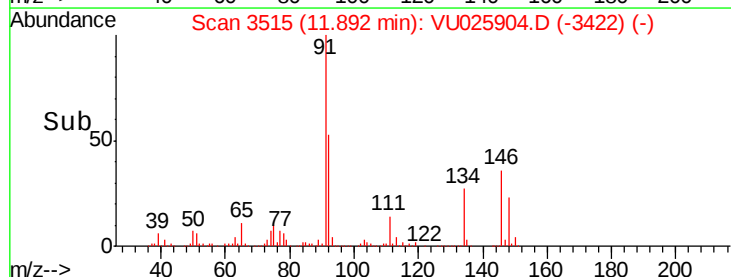
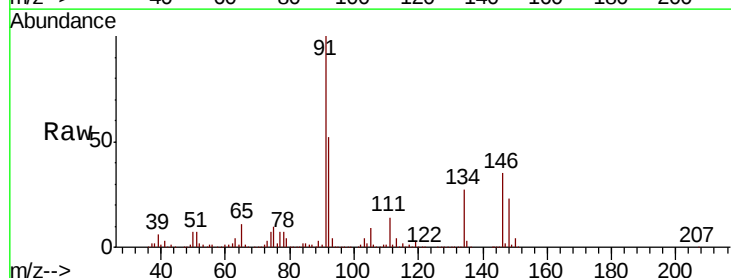
MMDadoda

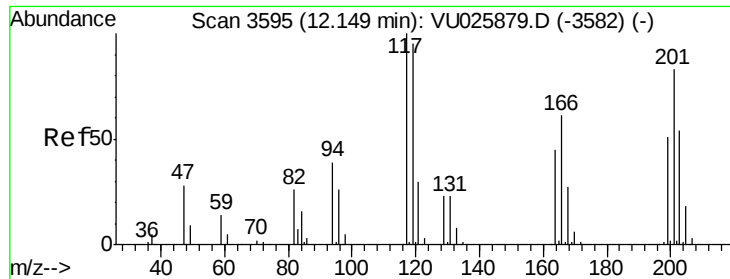
8/7/2018 1:51:44 PM



#89
 n-Butylbenzene
 Concen: 50.48 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.5
134	29.7	13.6	40.7





#90

Hexachloroethane

Concen: 55.45 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampled :

FL-0519MSD

Tot Ion:117 Resp: 104492

Ion Ratio Lower Upper

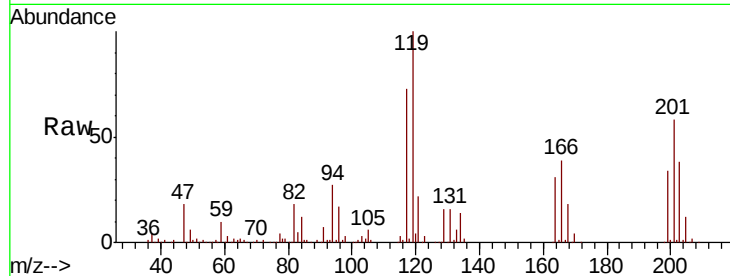
117 100

201 75.3 42.5 127.6

Manual Integrations
APPROVED

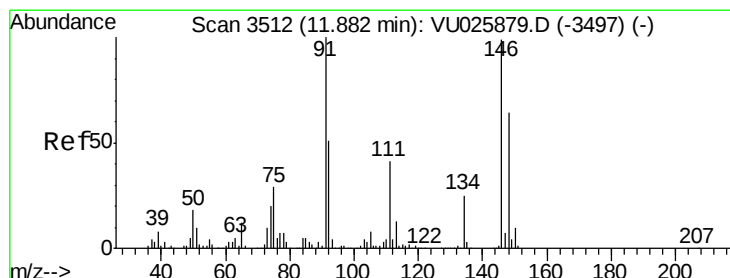
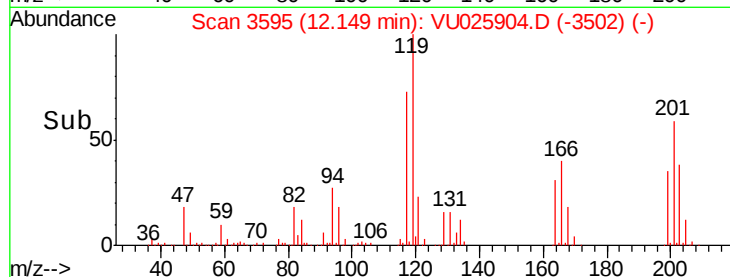
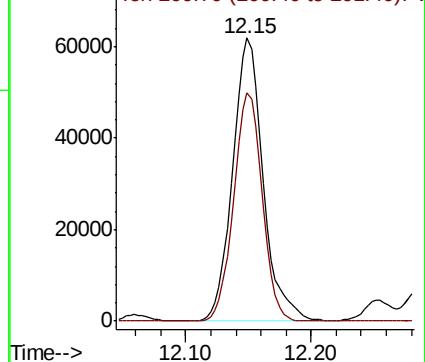
MMDadoda

8/7/2018 1:51:44 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.60 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

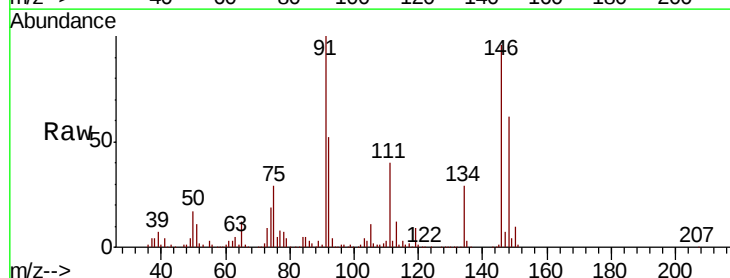
Tgt Ion:146 Resp: 291735

Ion Ratio Lower Upper

146 100

111 40.9 20.6 61.8

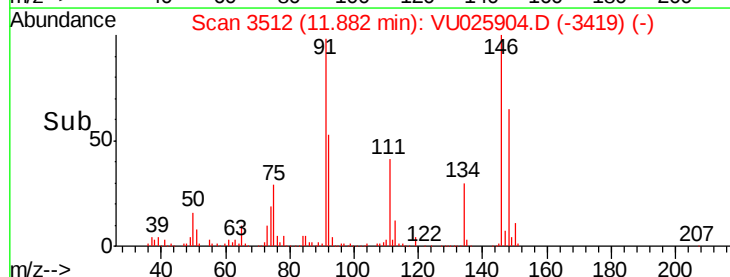
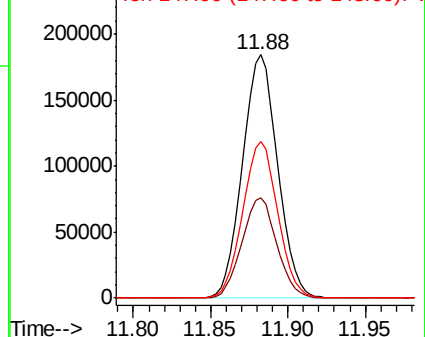
148 64.0 31.5 94.5

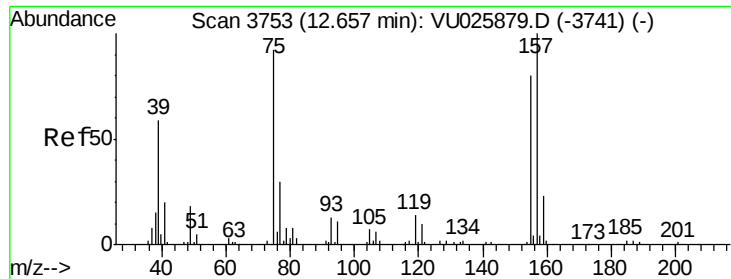


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.26 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MSD

Tot Ion: 75 Resp: 51109

Ion Ratio Lower Upper

75 100

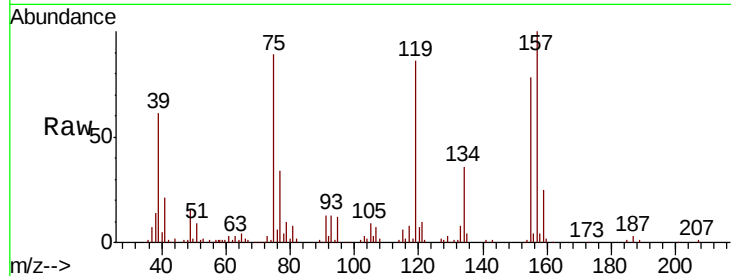
155 87.3 44.5 133.3

157 112.9 57.0 170.8

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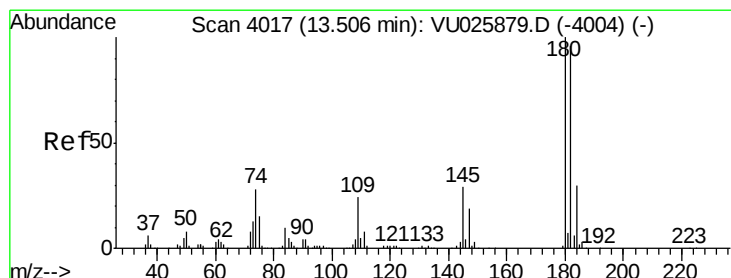
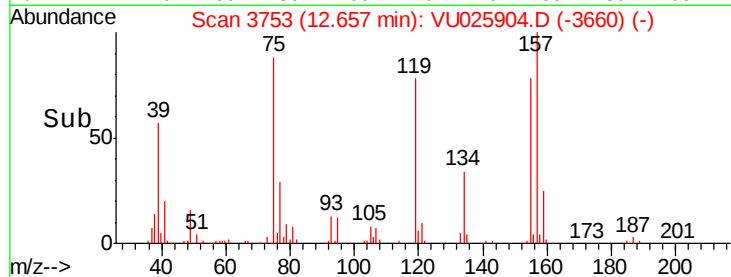
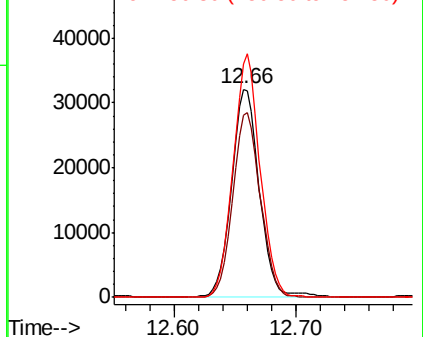


Abundance

Ion 74.90 (74.60 to 75.60): VU025879.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU025879.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU025879.D (-3741) (-)



#93

1,2,4-Trichlorobenzene

Concen: 53.49 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

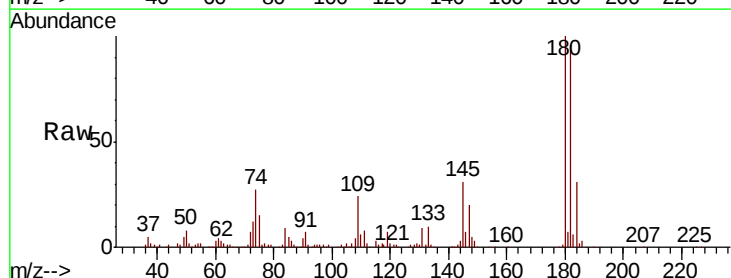
Tgt Ion: 180 Resp: 208148

Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.9

145 30.8 14.9 44.7

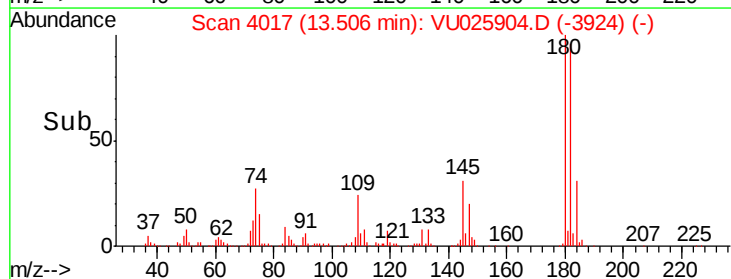
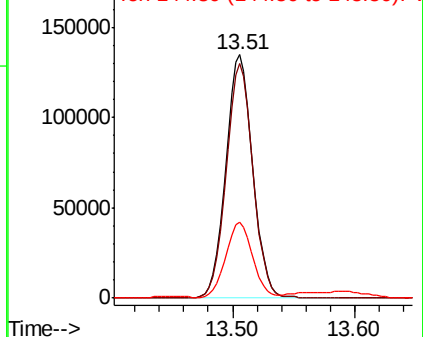


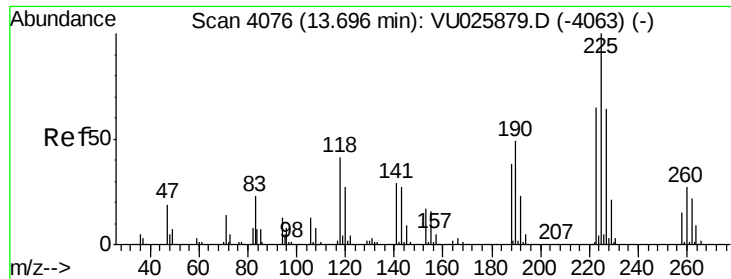
Abundance

Ion 179.80 (179.50 to 180.50): VU025879.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU025879.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU025879.D (-4004) (-)





#94

Hexachlorobutadiene

Concen: 42.60 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025904.D

Acq: 06 Aug 2018 22:23

Instrument :

MSVOA_U

ClientSampled :

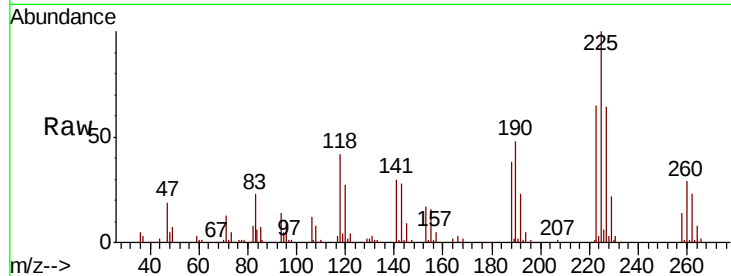
FL-0519MSD

Tot Ion:	225	Resp:	87381
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.9	95.7
227	64.5	32.3	96.9

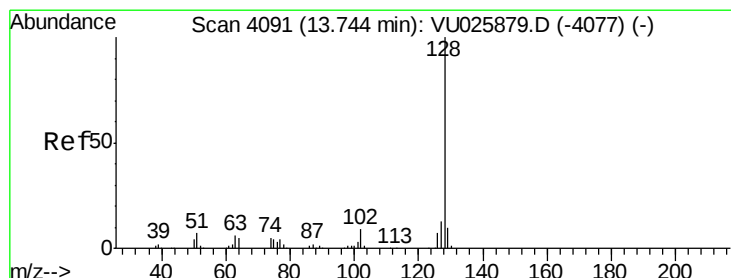
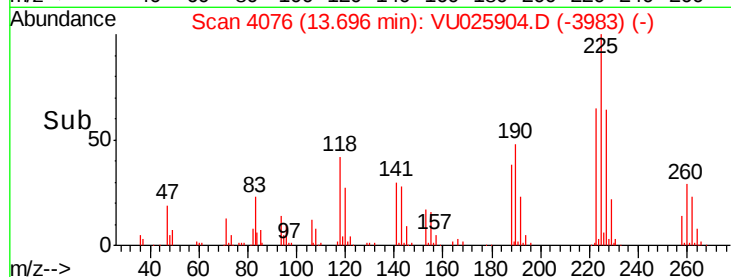
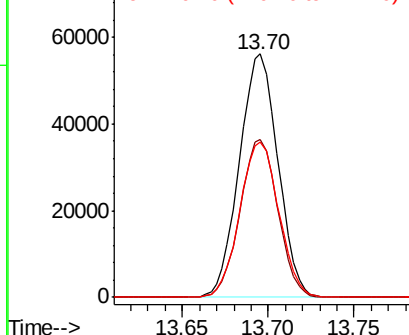
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 58.47 ug/l

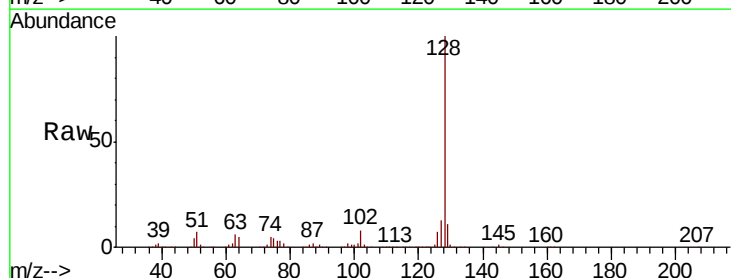
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

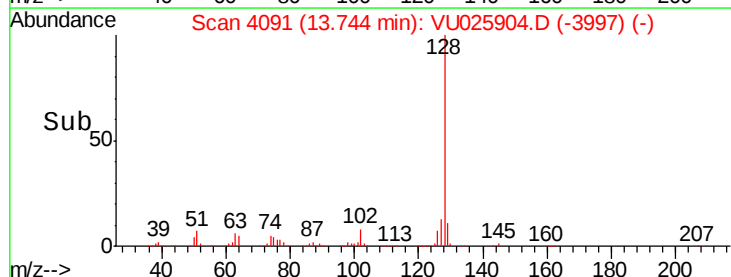
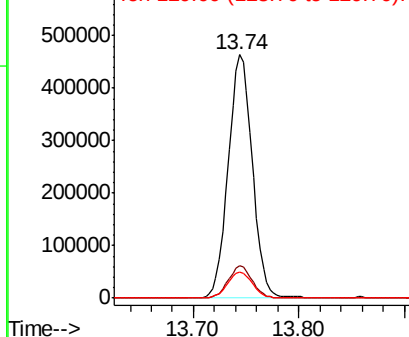
Lab File: VU025904.D

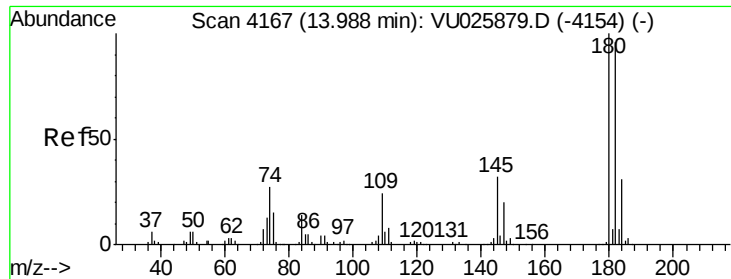
Acq: 06 Aug 2018 22:23

Tgt Ion:	128	Resp:	733642
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 54.28 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025904.D
 Acq: 06 Aug 2018 22:23

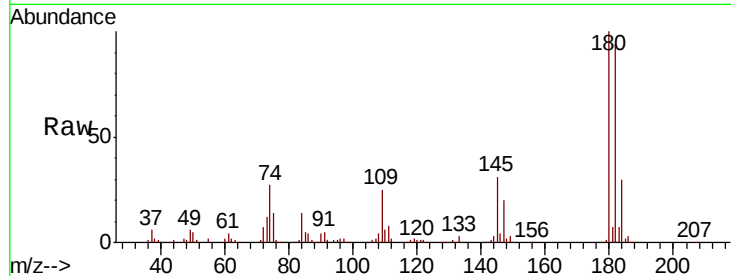
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MSD

Tot Ion:	180	Resp:	210727
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.8	143.3
145	36.7	15.6	46.8

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

