

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025903.D
 Acq On : 06 Aug 2018 21:59
 Operator : MD/SY
 Sample : J4263-12MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MS

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:43 PM

Quant Time: Aug 07 04:24:37 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	179312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274402	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169841	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	142575	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	4.89	113	118402	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	7.57	98	413527	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	10.31	95	160320	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	100677	37.15	ug/l	99
3) Chloromethane	1.33	50	103336	39.89	ug/l	98
4) Vinyl Chloride	1.40	62	112385	46.10	ug/l	99
5) Bromomethane	1.63	94	53164	44.65	ug/l	99
6) Chloroethane	1.70	64	68785	48.26	ug/l	97
7) Trichlorofluoromethane	1.89	101	168359	47.77	ug/l	99
8) Diethyl Ether	2.10	74	60774	47.66	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99107	48.59	ug/l	99
10) Methyl Iodide	2.41	142	69838	38.99	ug/l	99
11) Tert butyl alcohol	2.83	59	136214	222.69	ug/l	98
12) 1,1-Dichloroethene	2.28	96	93274	48.45	ug/l	98
13) Acrolein	2.19	56	91186	412.95	ug/l	100
14) Allyl chloride	2.59	41	161117	46.57	ug/l	97
15) Acrylonitrile	2.94	53	321650	263.37	ug/l	99
16) Acetone	2.32	43	363658	266.98	ug/l	98
17) Carbon Disulfide	2.48	76	298884	47.97	ug/l	100
18) Methyl Acetate	2.62	43	143256	43.70	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	370677	53.13	ug/l #	88
20) Methylene Chloride	2.70	84	114156	47.29	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	110252	49.54	ug/l	99
22) Diisopropyl ether	3.58	45	358533	52.59	ug/l	93
23) Vinyl Acetate	3.53	43	1506976	253.62	ug/l	99
24) 1,1-Dichloroethane	3.45	63	207606	50.73	ug/l	99
25) 2-Butanone	4.27	43	572019	308.49	ug/l	100
26) 2,2-Dichloropropane	4.23	77	161115	43.31	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	126360	50.36	ug/l	97
28) Bromochloromethane	4.55	49	91823	50.18	ug/l	100
29) Tetrahydrofuran	4.64	42	286760	258.13	ug/l	99
30) Chloroform	4.68	83	218709	50.63	ug/l	100
31) Cyclohexane	5.00	56	186203	52.37	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	198435	51.02	ug/l	99
36) 1,1-Dichloropropene	5.14	75	161036	50.22	ug/l	99
37) Ethyl Acetate	4.38	43	166151	49.97	ug/l	99
38) Carbon Tetrachloride	5.14	117	179185	49.33	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	184636	50.25	ug/l	99
40) Benzene	5.39	78	474727	50.64	ug/l	98
41) Methacrylonitrile	4.54	41	93992	50.89	ug/l	98
42) 1,2-Dichloroethane	5.41	62	180151	49.91	ug/l	99
43) Isopropyl Acetate	5.55	43	268899	48.94	ug/l	99
44) Trichloroethene	6.19	130	126780	48.57	ug/l	99
45) 1,2-Dichloropropane	6.44	63	122478	50.10	ug/l	99
46) Dibromomethane	6.56	93	86492	48.83	ug/l	99
47) Bromodichloromethane	6.76	83	172317	51.00	ug/l	99
48) Methyl methacrylate	6.63	41	139750	51.89	ug/l	97
49) 1,4-Dioxane	6.62	88	57628	879.35	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1104767	321.15	ug/l	100
52) Toluene	7.64	92	297374	51.06	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	191405	50.45	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	192402	49.37	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	125638	51.91	ug/l	98
56) Ethyl methacrylate	8.02	69	185619	53.68	ug/l	98
57) 1,3-Dichloropropane	8.25	76	203579	50.02	ug/l	99
59) 2-Hexanone	8.36	43	850158	315.27	ug/l	99
60) Dibromochloromethane	8.48	129	144558	50.65	ug/l	99
61) 1,2-Dibromoethane	8.59	107	138042	51.29	ug/l	99
64) Tetrachloroethene	8.23	164	110640	46.40	ug/l	98
65) Chlorobenzene	9.12	112	340670	48.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	127790	50.58	ug/l	99
67) Ethyl Benzene	9.25	91	1152534	99.62	ug/l	99
68) m/p-Xylenes	9.38	106	680600	153.24	ug/l	99
69) o-Xylene	9.78	106	223240	51.43	ug/l	100
70) Styrene	9.80	104	363045	51.78	ug/l	98
71) Bromoform	9.96	173	113644	51.87	ug/l #	99
73) Isopropylbenzene	10.17	105	643628	55.52	ug/l	100
74) N-amyl acetate	10.01	43	242655	51.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	199373	49.74	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	165342m	44.18	ug/l	
77) Bromobenzene	10.45	156	158865	49.69	ug/l	98
78) n-propylbenzene	10.59	91	790121	58.40	ug/l	100
79) 2-Chlorotoluene	10.66	91	409164	51.63	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	593033	60.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	50964m	34.15	ug/l	
82) 4-Chlorotoluene	10.78	91	491394	52.60	ug/l	100
83) tert-Butylbenzene	11.10	119	499594	51.08	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1253868	125.68	ug/l	98
85) sec-Butylbenzene	11.33	105	603221	50.51	ug/l	99
86) p-Isopropyltoluene	11.48	119	547536	51.20	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	291474	49.11	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	295782	47.81	ug/l	99
89) n-Butylbenzene	11.89	91	491257	49.78	ug/l	98
90) Hexachloroethane	12.15	117	101436	53.35	ug/l	90
91) 1,2-Dichlorobenzene	11.88	146	290933	50.01	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48837	51.39	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	205370	52.31	ug/l	99

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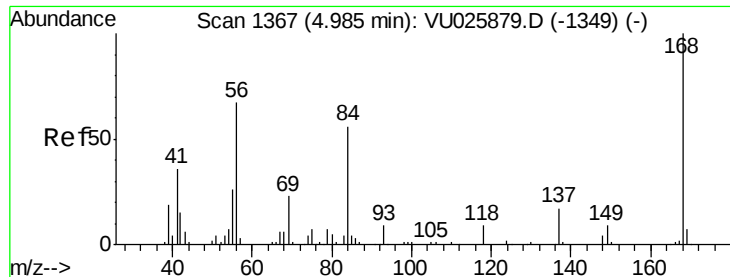
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	87289	42.18	ug/l	100
95) Naphthalene	13.74	128	713627	56.42	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	202872	51.80	ug/l	95

(#) = 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: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampled :

FL-0519MS

Tot Ion:168 Resp: 179312

Ion Ratio Lower Upper

168 100

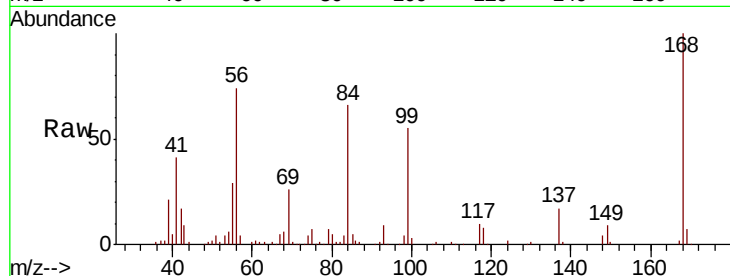
99 54.6 42.8 64.2

Manual Integrations

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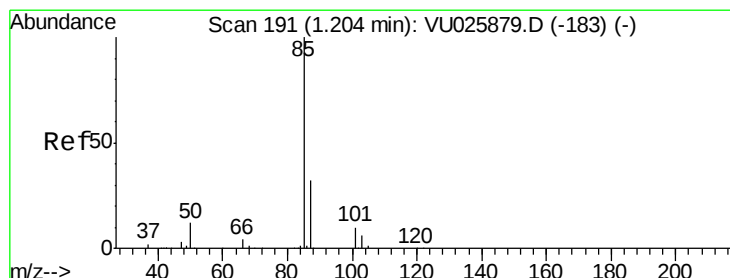
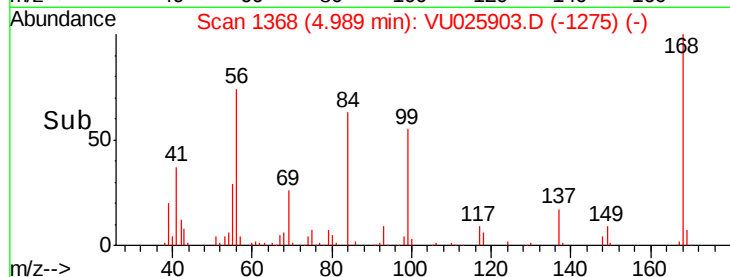
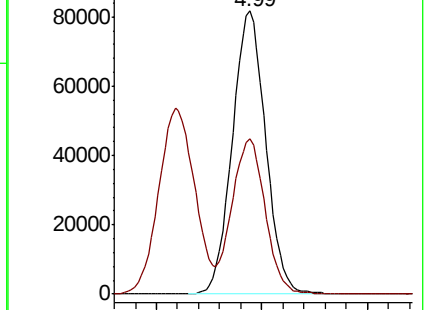
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Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025903.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 37.15 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025903.D

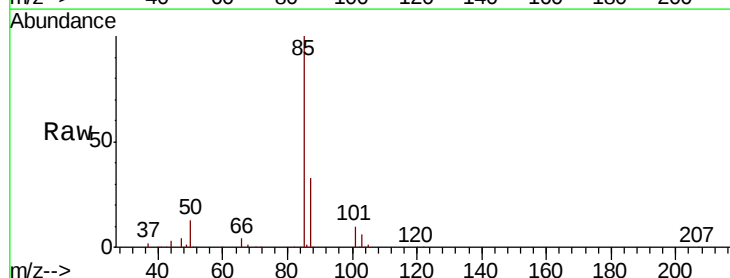
Acq: 06 Aug 2018 21:59

Tgt Ion: 85 Resp: 100677

Ion Ratio Lower Upper

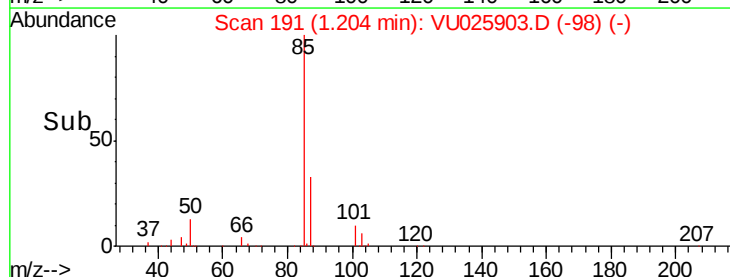
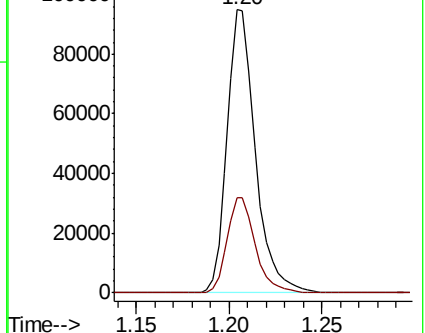
85 100

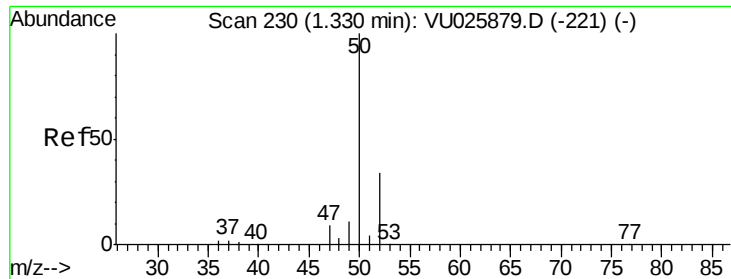
87 33.4 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025903.D (-98) (-)





#3

Chloromethane

Concen: 39.89 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampled :

FL-0519MS

Tot Ion: 50 Resp: 103336

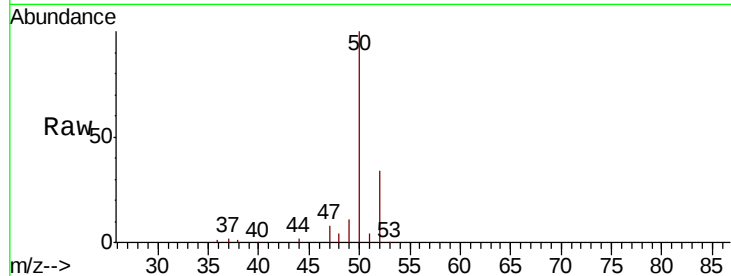
Ion Ratio Lower Upper

50 100

52 34.3 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VU025903.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025903.D (-137) (-)

1.33

100000

80000

60000

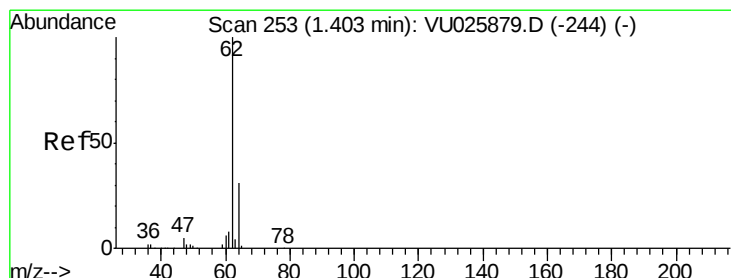
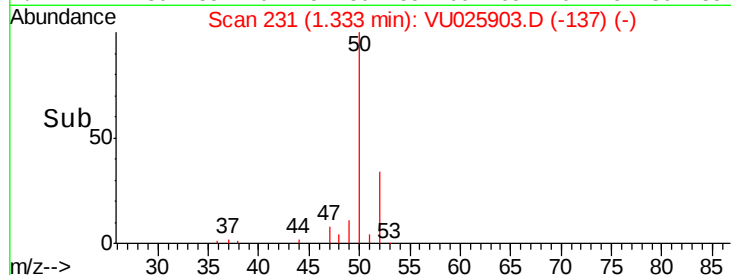
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 46.10 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025903.D

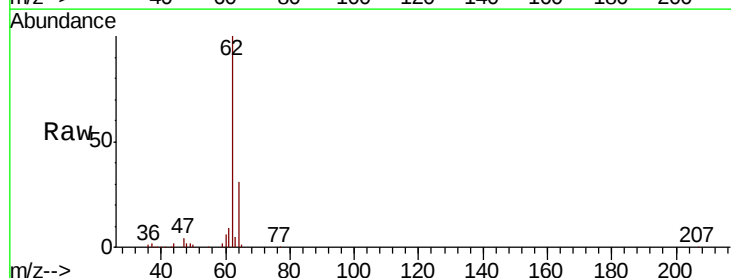
Acq: 06 Aug 2018 21:59

Tgt Ion: 62 Resp: 112385

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU025903.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU025903.D (-160) (-)

1.40

120000

100000

80000

60000

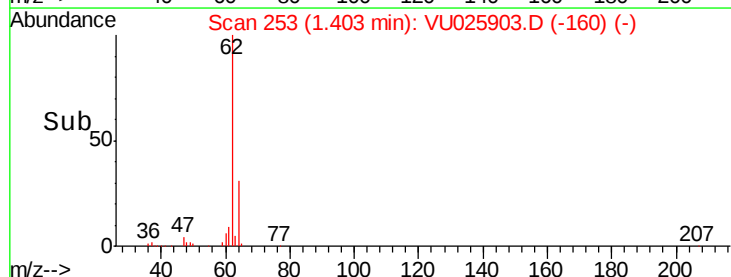
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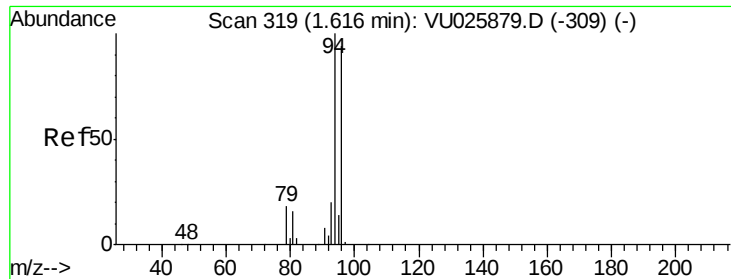
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 44.65 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 94 Resp: 53164

Ion Ratio Lower Upper

94 100

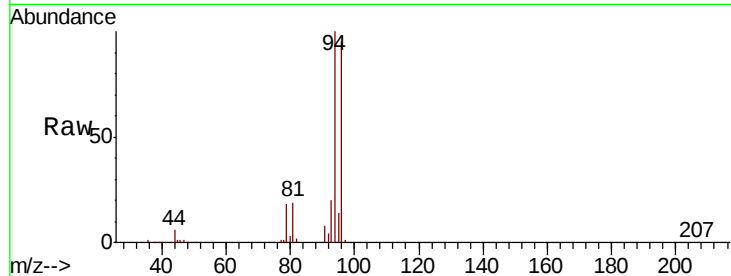
96 94.6 75.0 112.4

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): VU025903.D (-227) (-)

1.63

40000

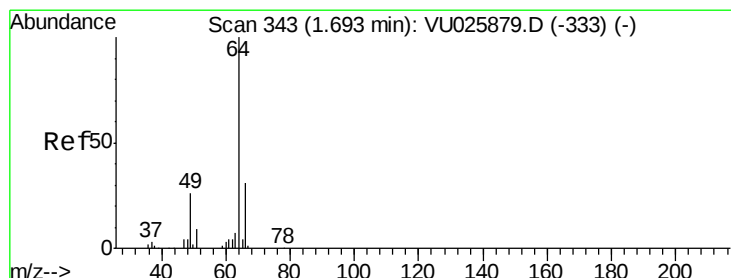
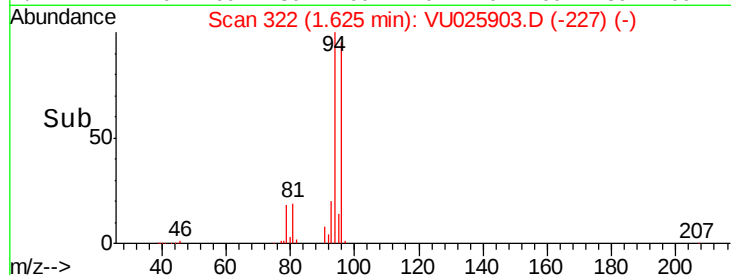
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.26 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025903.D

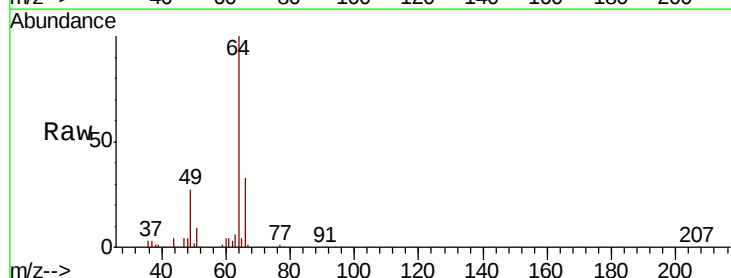
Acq: 06 Aug 2018 21:59

Tgt Ion: 64 Resp: 68785

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4



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

Ion 65.90 (65.60 to 66.60): VU025903.D (-250) (-)

1.70

60000

50000

40000

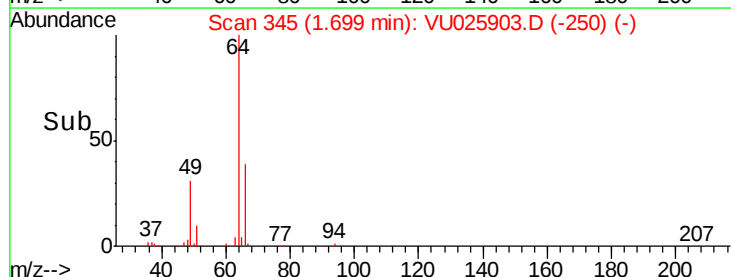
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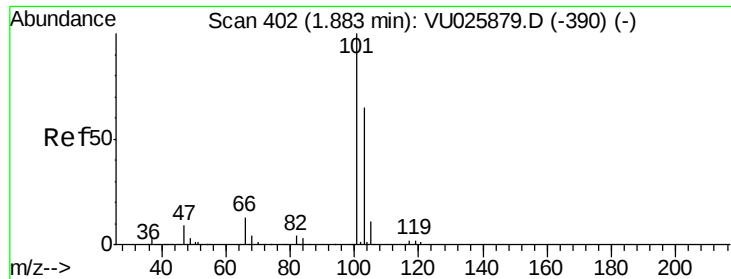
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10000

0

Time-->





#7

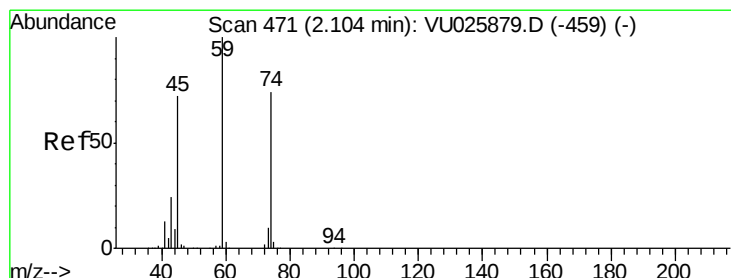
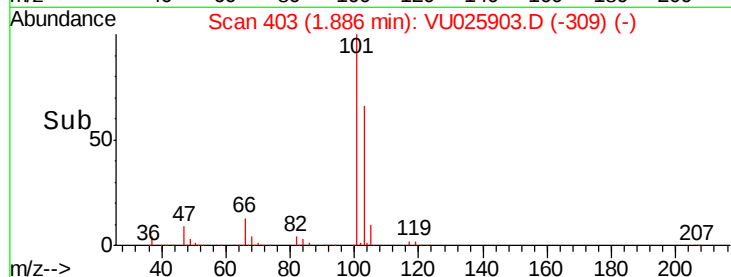
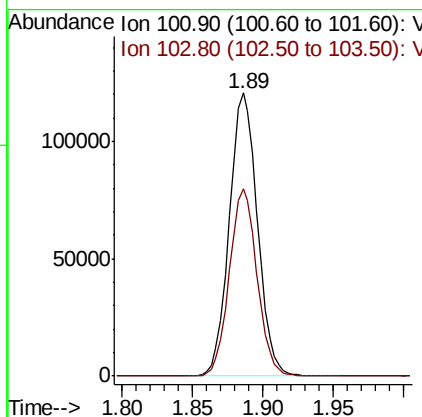
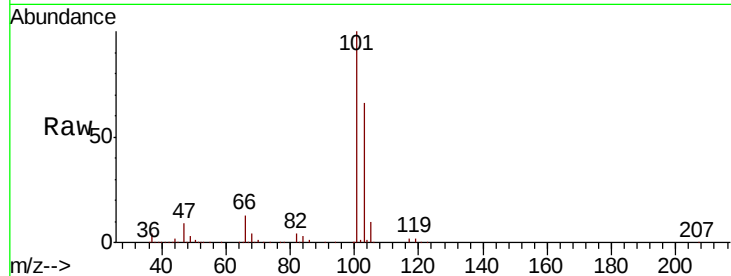
Trichlorofluoromethane
 Concen: 47.77 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
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 ClientSampled :
 FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	168359		
103	66.1	52.2	78.2	

Manual Integrations
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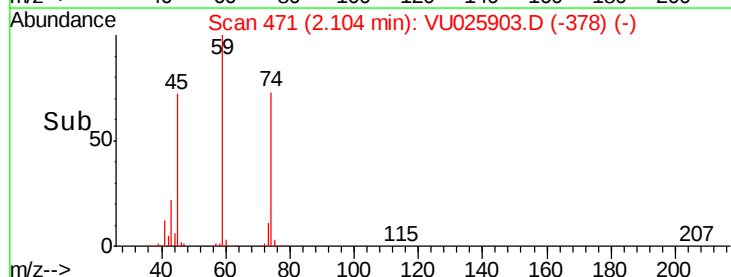
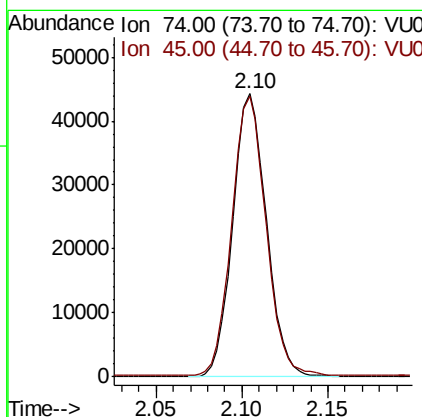
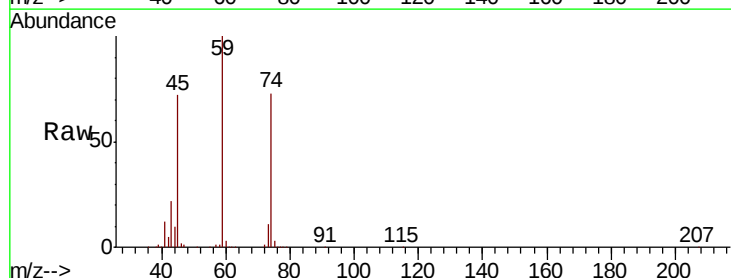
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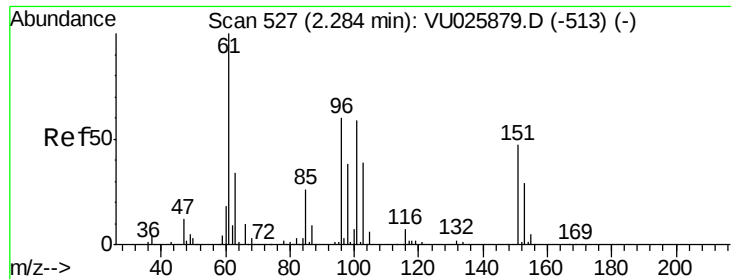


#8

Diethyl Ether
 Concen: 47.66 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60774		
45	99.1	48.3	144.9	





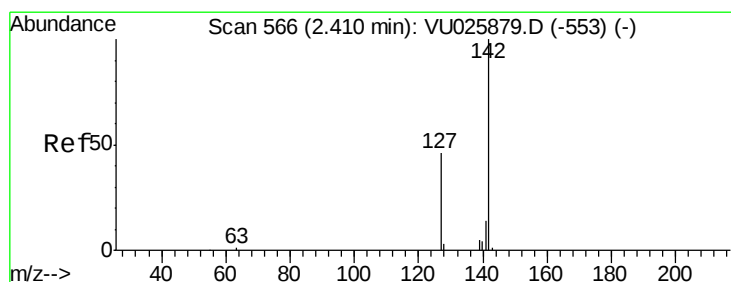
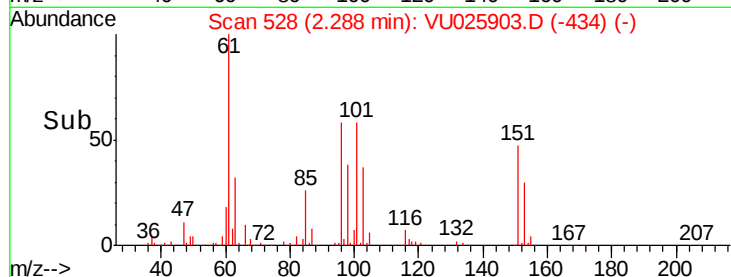
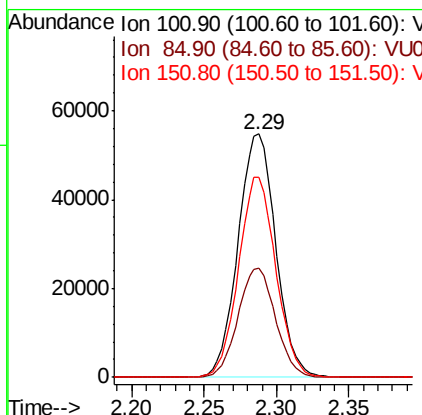
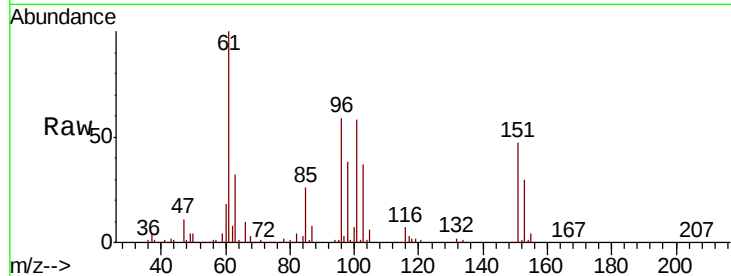
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.59 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	99107		
85	44.5	36.0	54.0	
151	81.5	65.6	98.4	

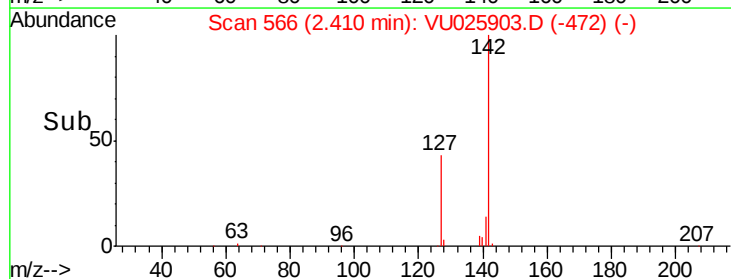
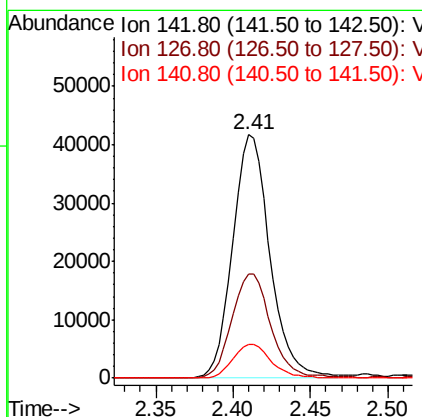
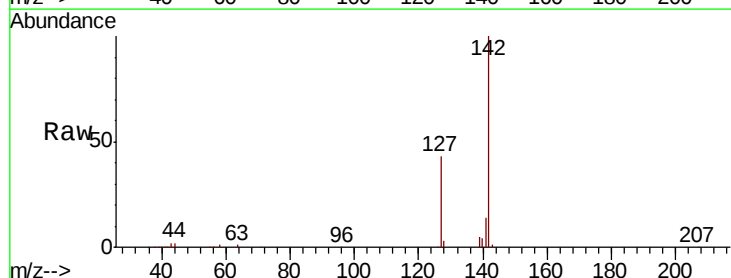
Manual Integrations
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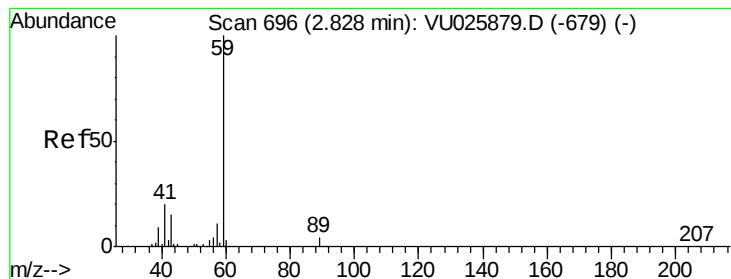
MMDadoda
 8/7/2018 1:51:43 PM



#10
 Methyl Iodide
 Concen: 38.99 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	69838		
127	44.6	36.5	54.7	
141	14.3	11.4	17.2	





#11

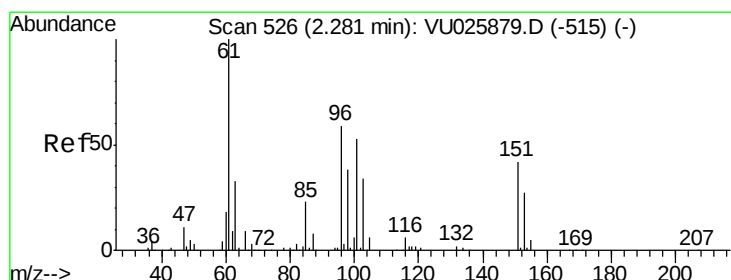
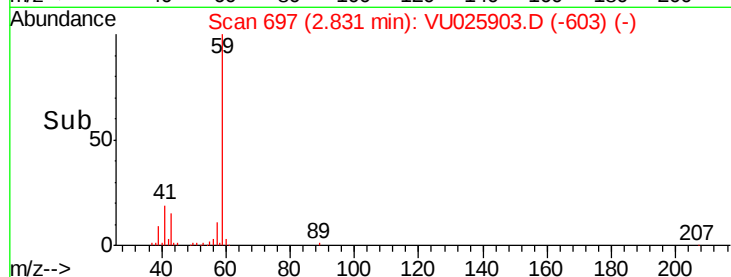
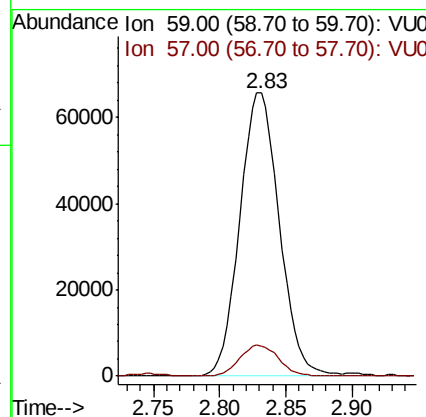
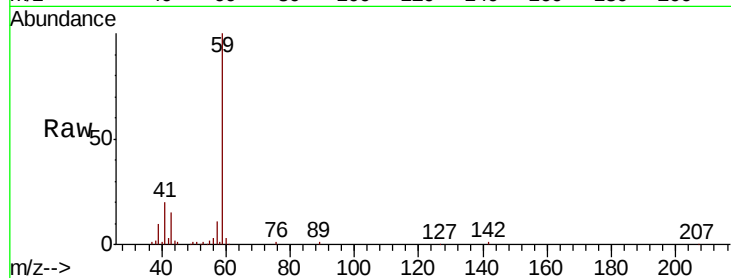
Tert butyl alcohol
Concen: 222.69 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

Manual Integrations
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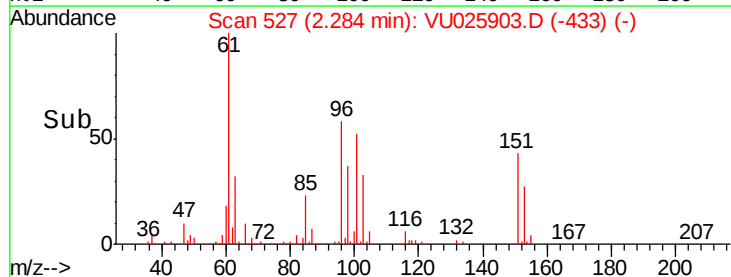
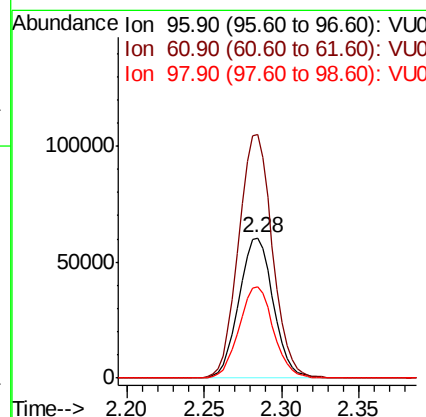
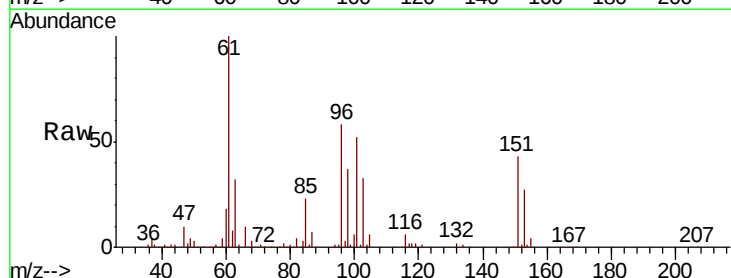
MMDadoda
8/7/2018 1:51:43 PM

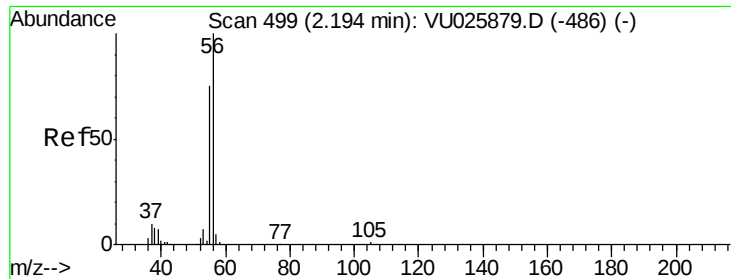


#12

1,1-Dichloroethene
Concen: 48.45 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	140.2	210.4
98	64.9	49.3	73.9





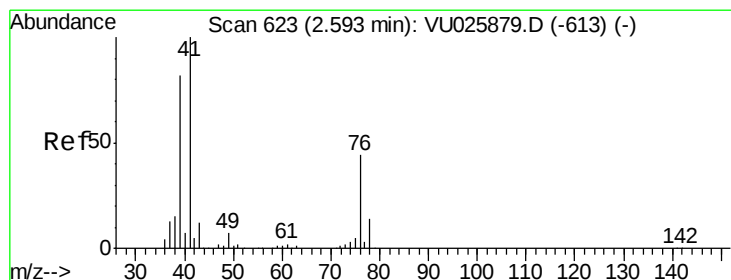
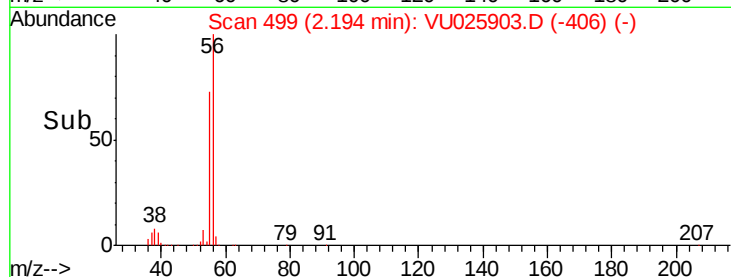
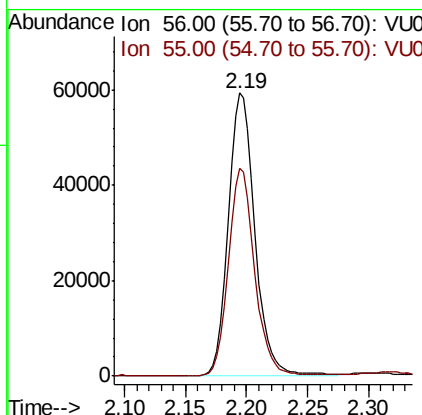
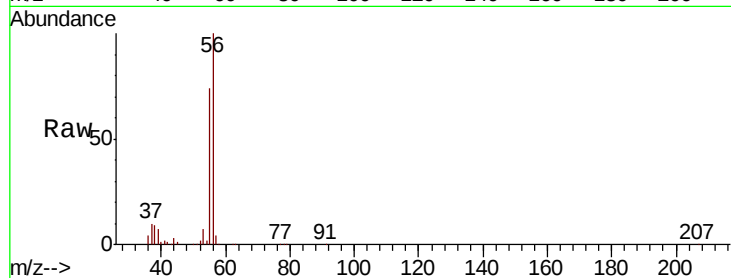
#13
Acrolein
Concen: 412.95 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	57.2	85.8

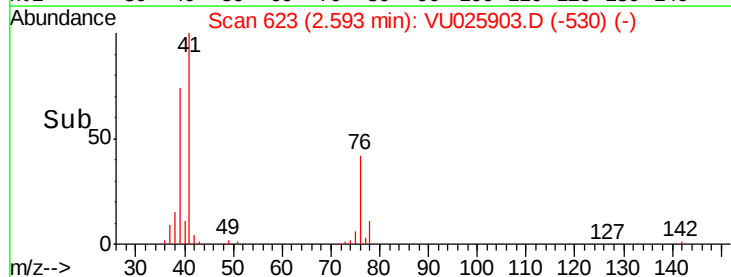
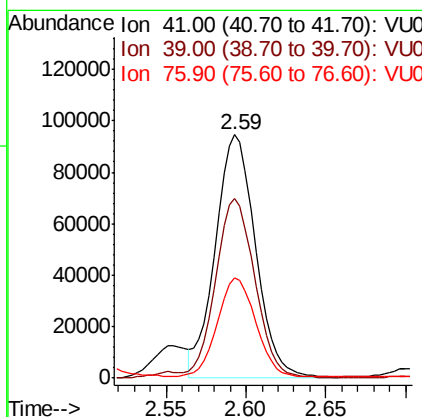
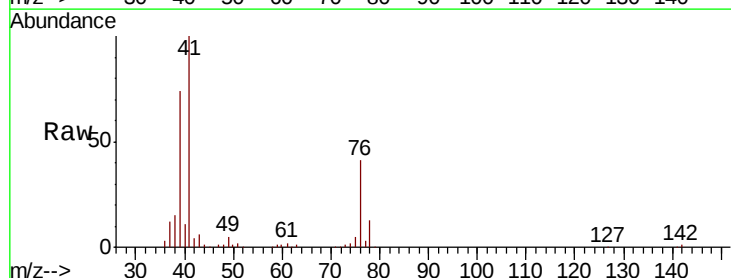
Manual Integrations
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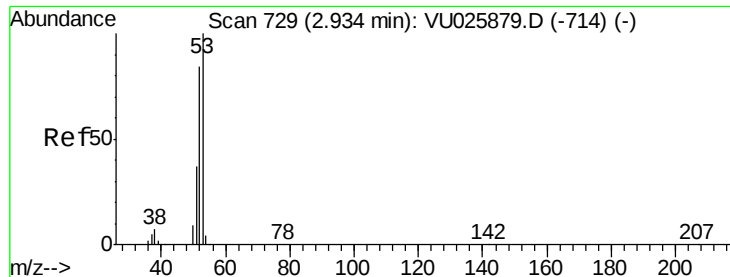
MMDadoda
8/7/2018 1:51:43 PM



#14
Allyl chloride
Concen: 46.57 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.3	60.6	91.0
76	39.1	30.5	45.7





#15

Acrylonitrile

Concen: 263.37 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

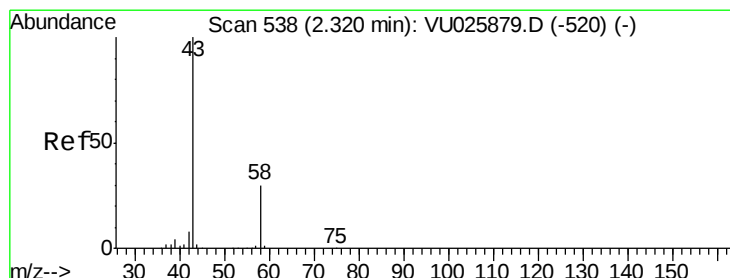
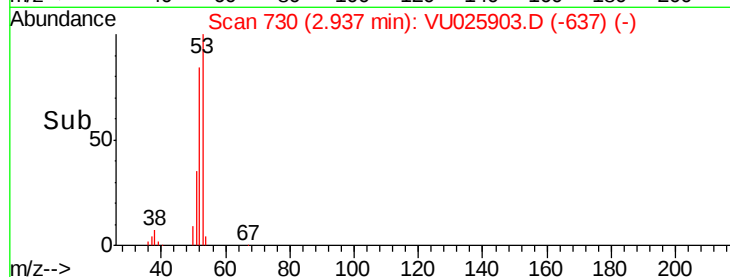
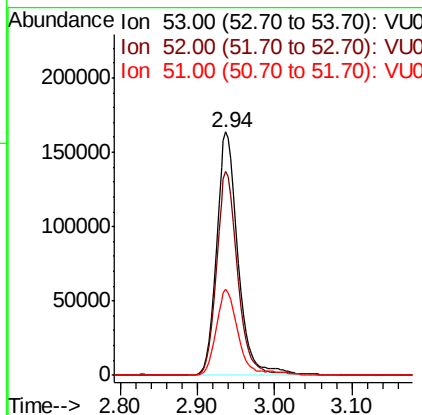
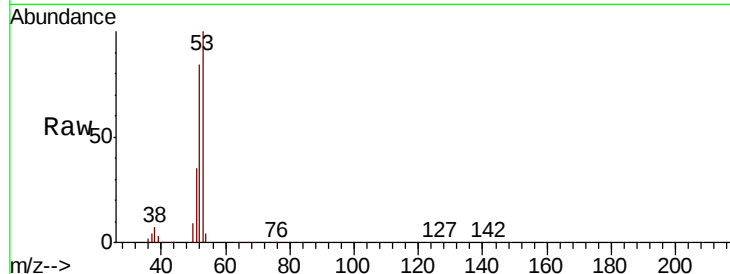
ClientSampleId :

FL-0519MS

Tot Ion:	53	Resp:	321650
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	99.8
51	34.9	29.4	44.2

Manual Integrations
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8/7/2018 1:51:43 PM



#16

Acetone

Concen: 266.98 ug/l

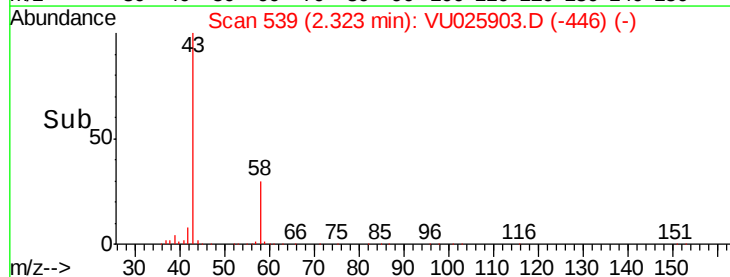
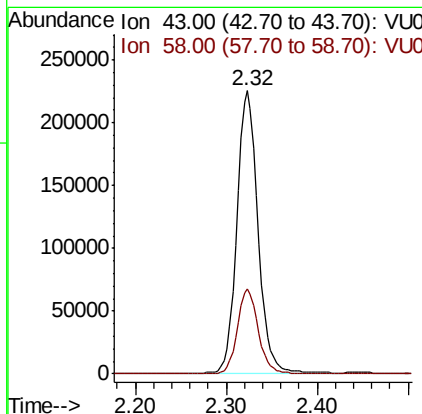
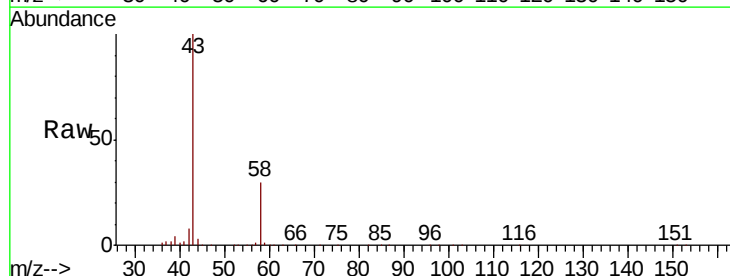
RT: 2.32 min Scan# 539

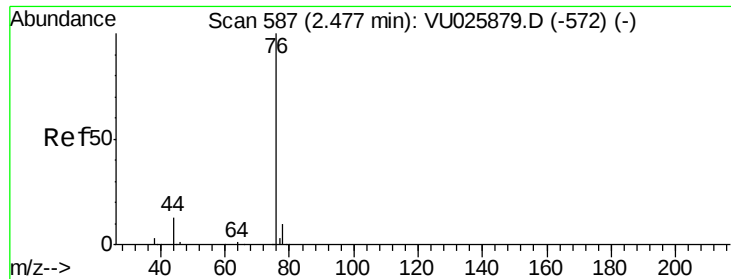
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	43	Resp:	363658
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.1	34.7





#17

Carbon Disulfide

Concen: 47.97 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 76 Resp: 298884

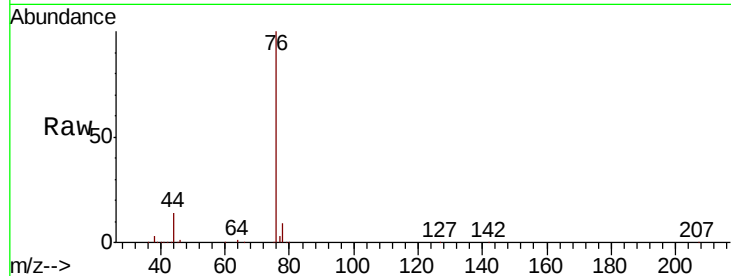
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

Manual Integrations
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8/7/2018 1:51:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VU025903.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025903.D (-494) (-)

2.48

200000

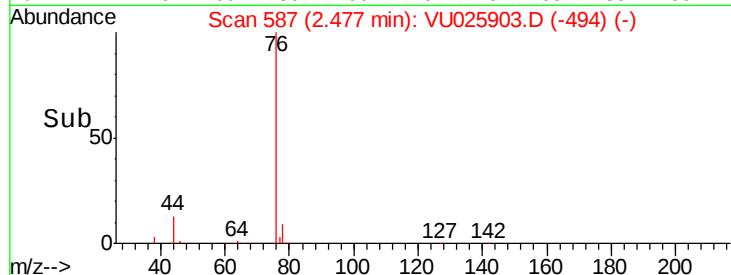
150000

100000

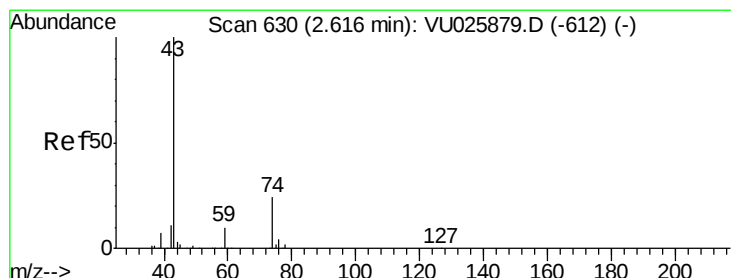
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 43.70 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025903.D

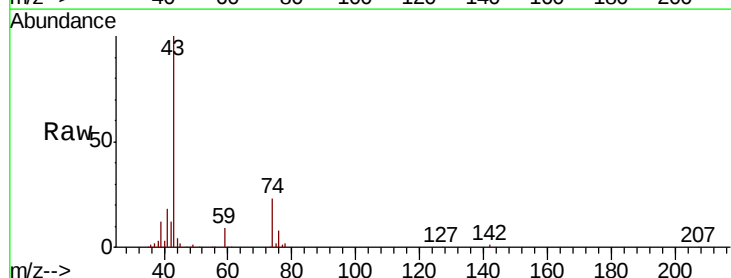
Acq: 06 Aug 2018 21:59

Tgt Ion: 43 Resp: 143256

Ion Ratio Lower Upper

43 100

74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025903.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025903.D (-537) (-)

2.62

80000

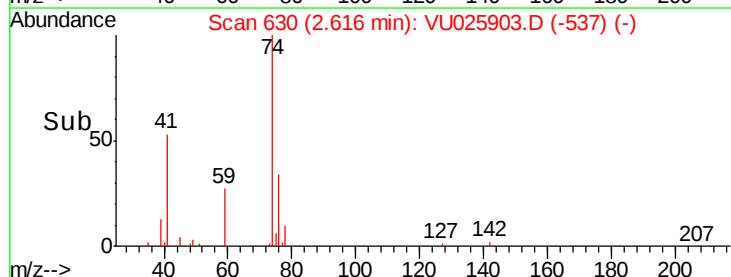
60000

40000

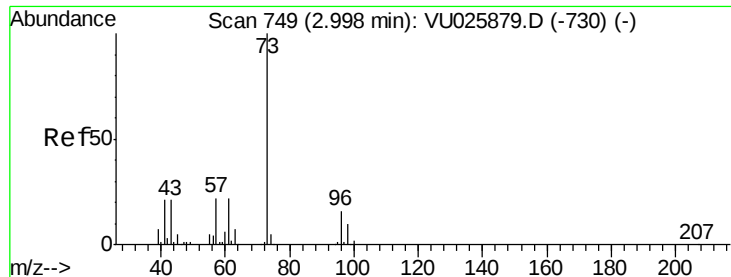
20000

0

Time-->



Time-->



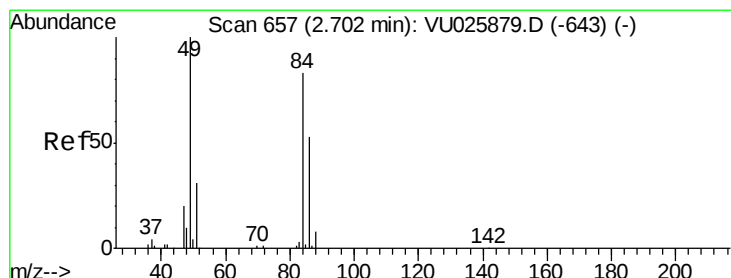
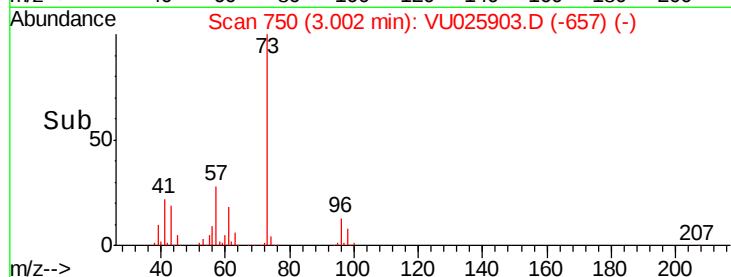
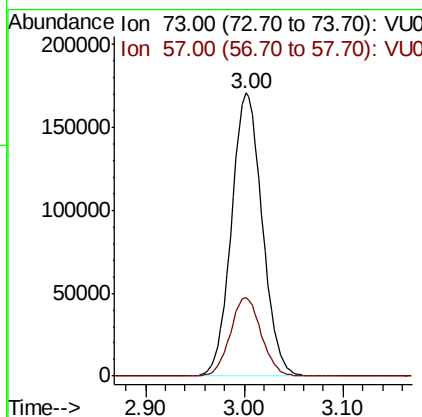
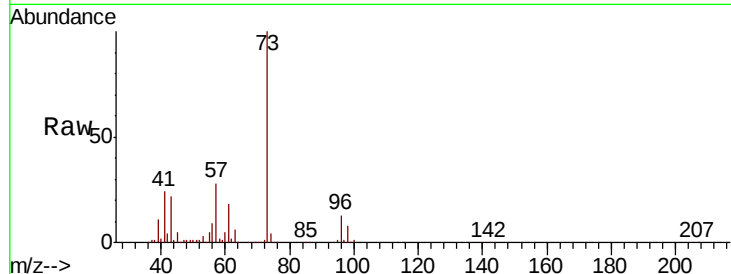
#19
Methyl tert-butyl Ether
Concen: 53.13 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	27.7	17.4	26.2#

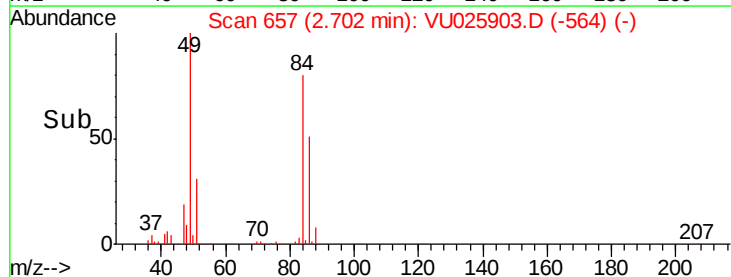
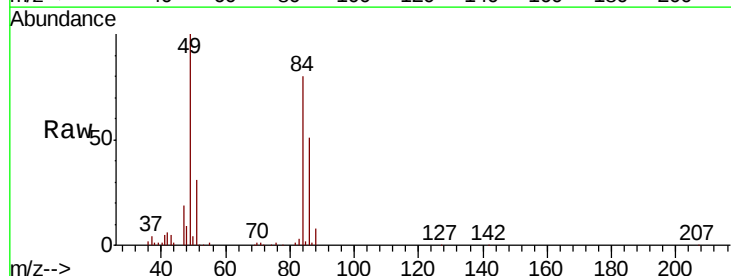
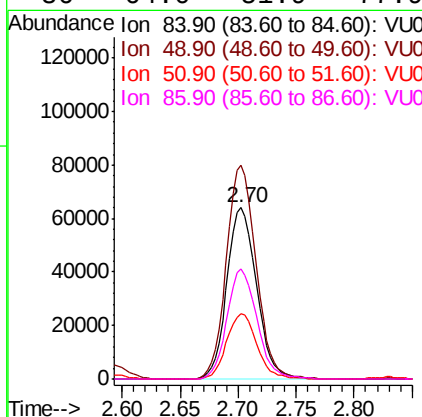
Manual Integrations
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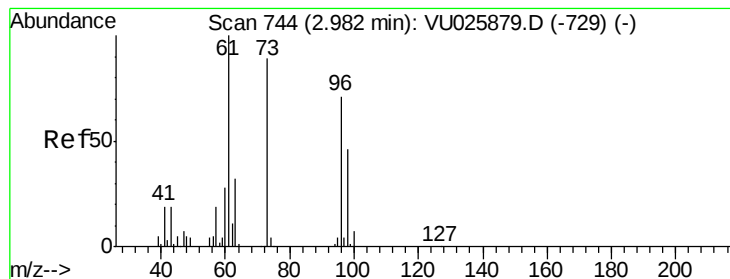
MMDadoda
8/7/2018 1:51:43 PM



#20
Methylene Chloride
Concen: 47.29 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	101.8	152.6
51	38.1	30.8	46.2
86	64.0	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 49.54 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

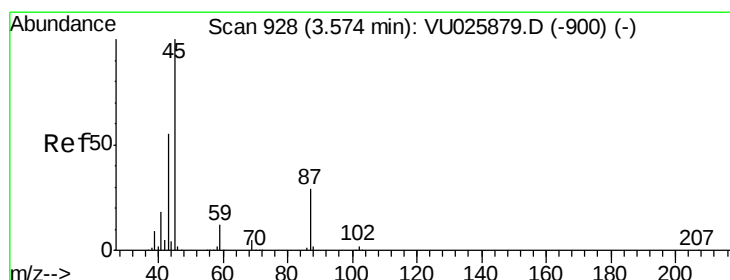
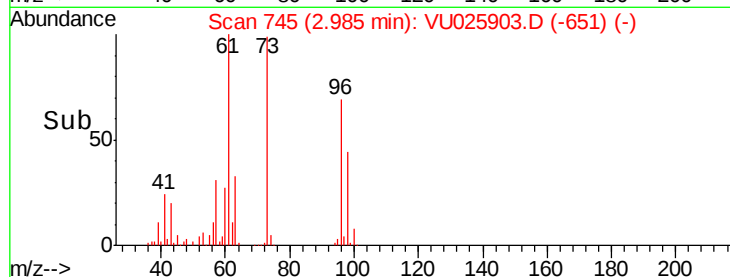
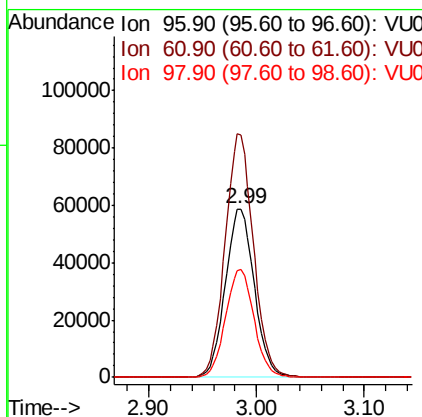
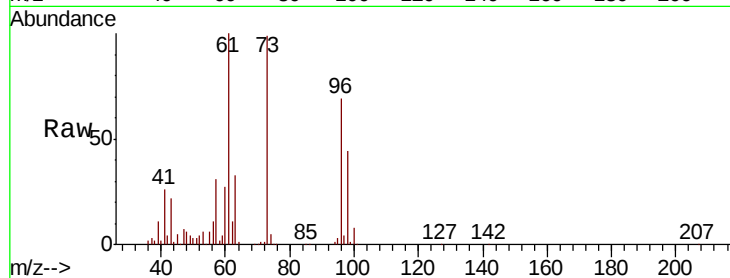
ClientSampleID :

FL-0519MS

Tot Ion:	96	Resp:	110252
Ion	Ratio	Lower	Upper
96	100		
61	143.9	114.5	171.7
98	63.9	50.5	75.7

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#22

Diisopropyl ether

Concen: 52.59 ug/l

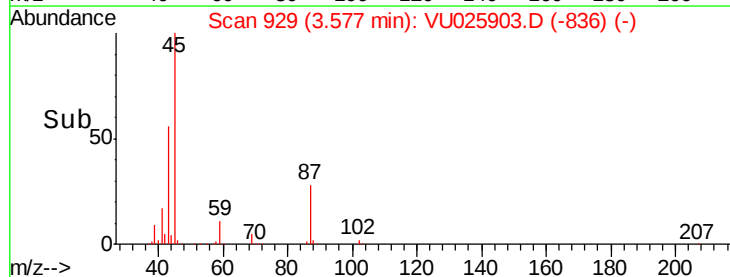
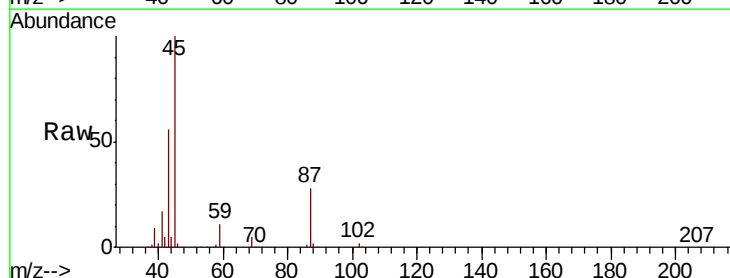
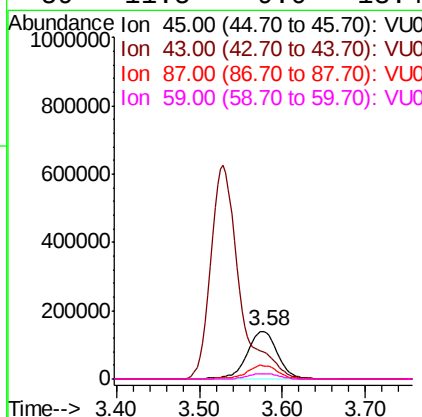
RT: 3.58 min Scan# 929

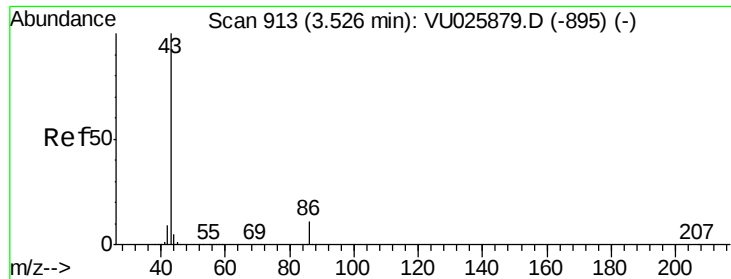
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	45	Resp:	358533
Ion	Ratio	Lower	Upper
45	100		
43	55.5	50.9	76.3
87	28.0	23.8	35.8
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 253.62 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 43 Resp: 1506976

Ion Ratio Lower Upper

43 100

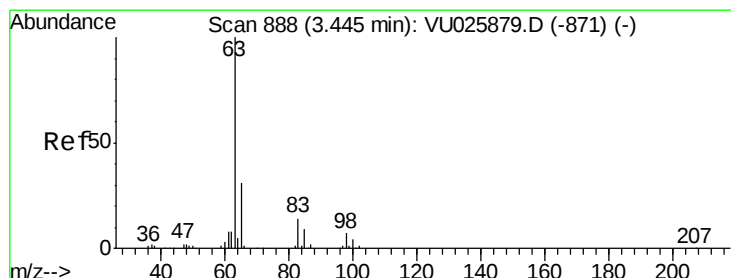
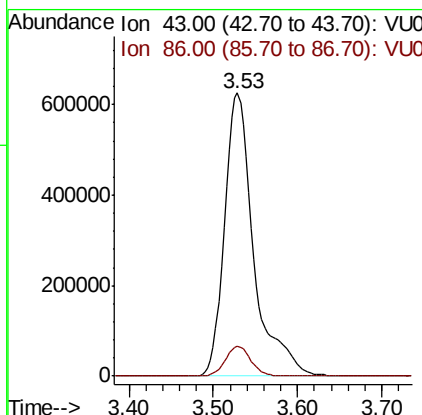
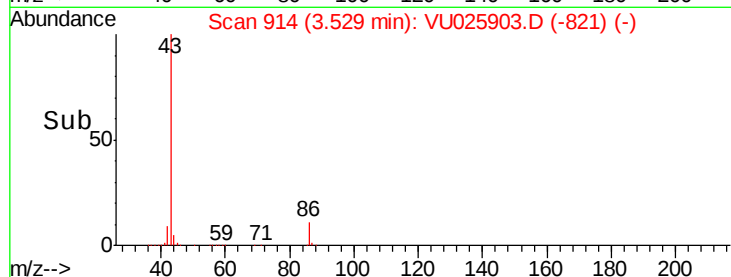
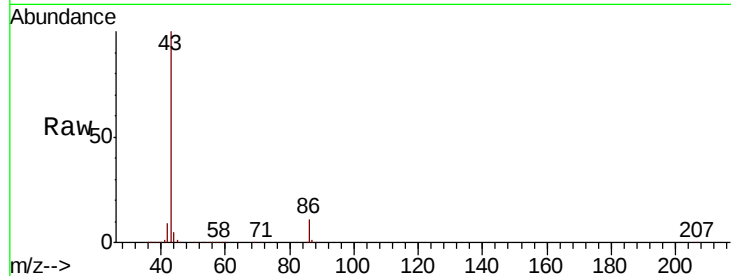
86 10.5 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.73 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

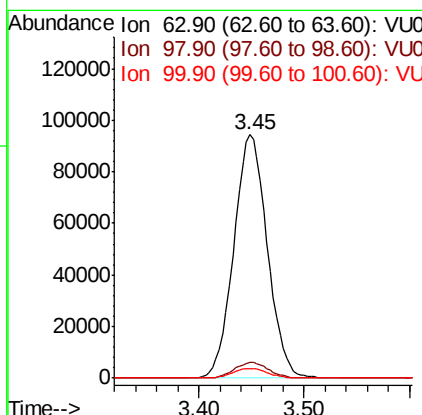
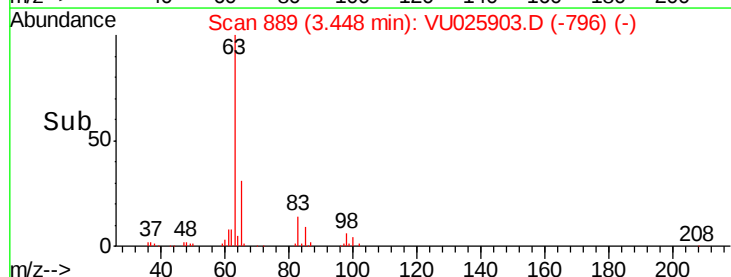
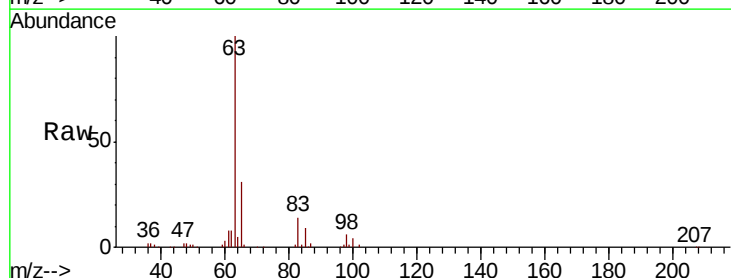
Tgt Ion: 63 Resp: 207606

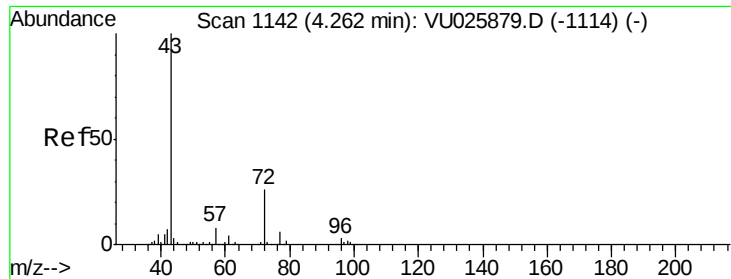
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 3.8 2.0 6.0





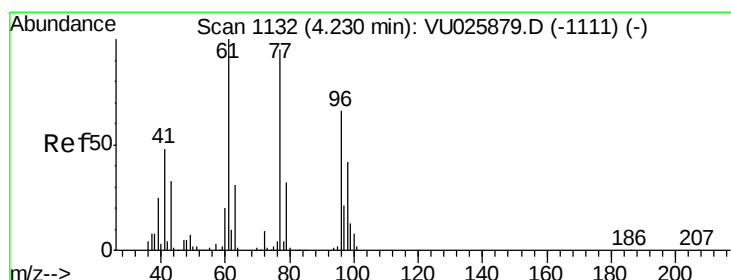
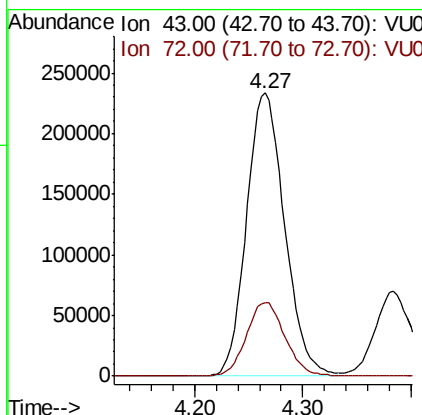
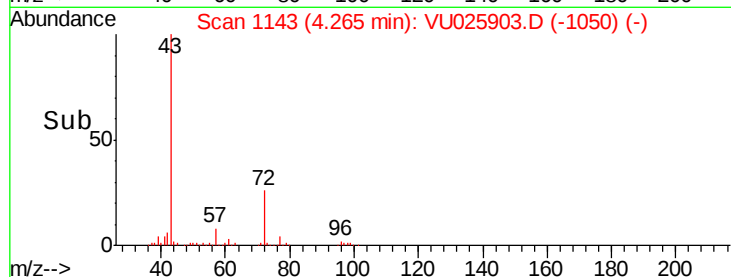
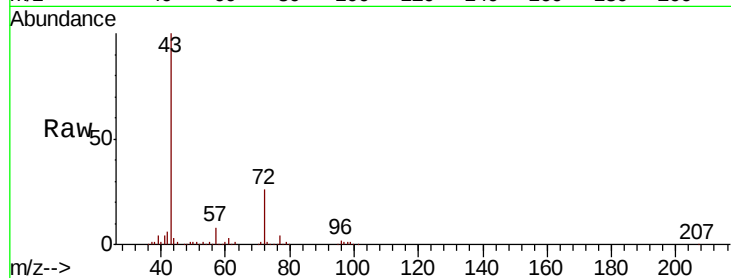
#25
2-Butanone
Concen: 308.49 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampled :
FL-0519MS

Tot Ion: 43 Resp: 572019
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

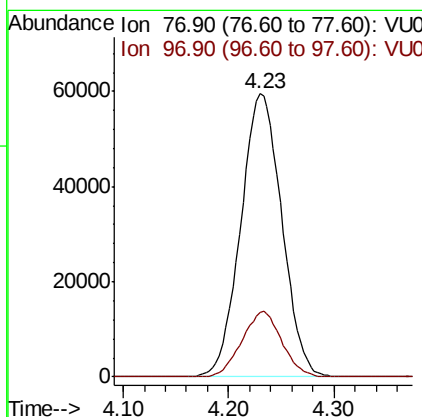
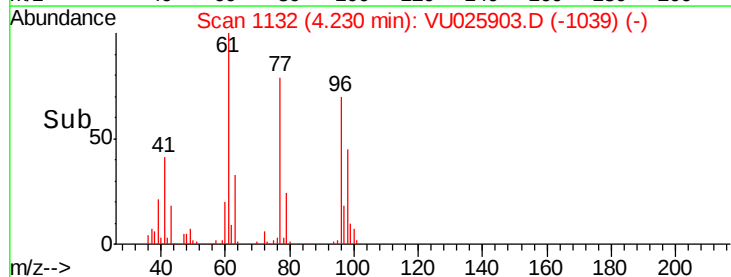
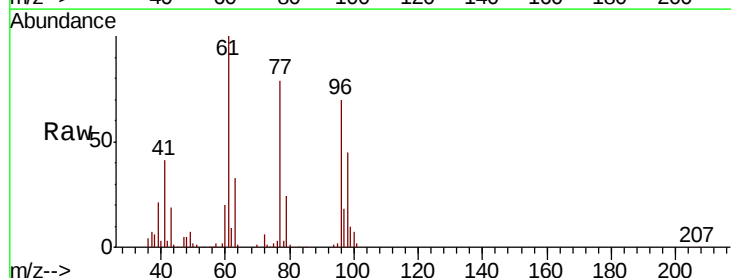
Manual Integrations
APPROVED

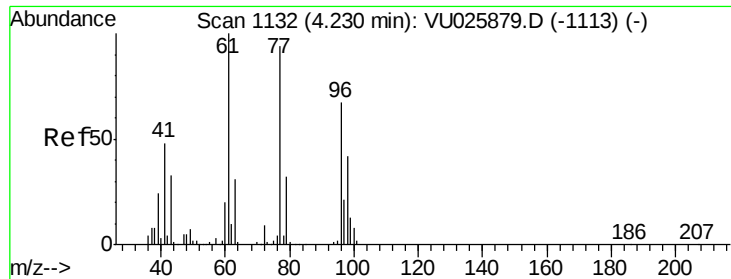
MMDadoda
8/7/2018 1:51:43 PM



#26
2,2-Dichloropropane
Concen: 43.31 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion: 77 Resp: 161115
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.36 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025903.D

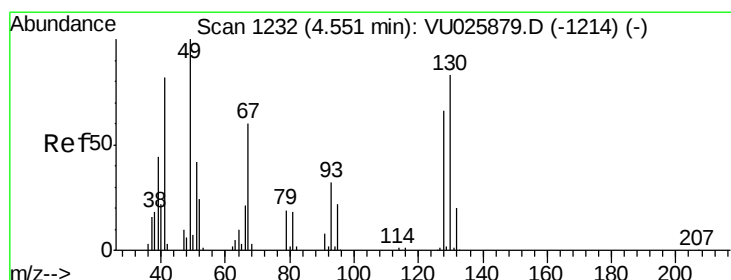
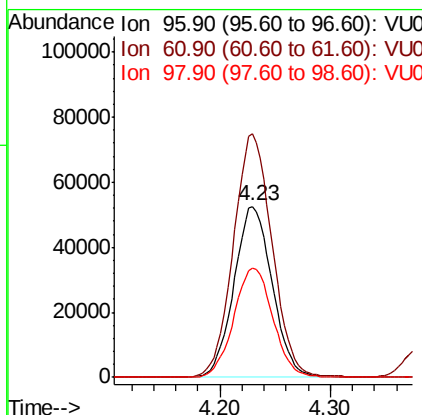
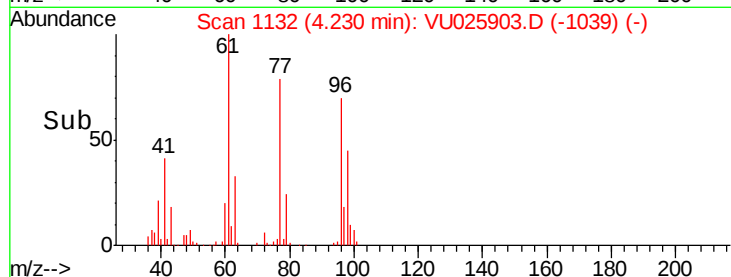
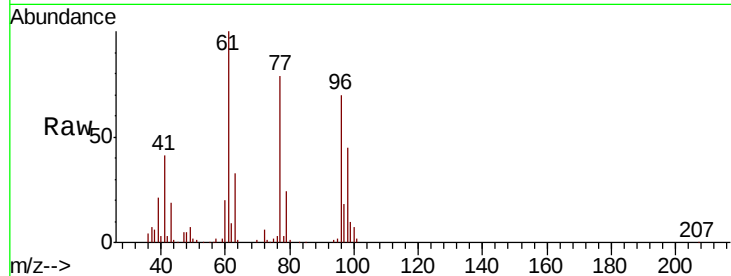
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleID :
FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126360		
61	144.3	0.0	299.8	
98	65.1	0.0	128.6	

Manual Integrations
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8/7/2018 1:51:43 PM



#28

Bromochloromethane

Concen: 50.18 ug/l

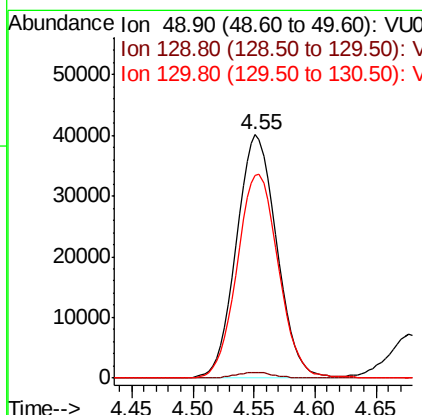
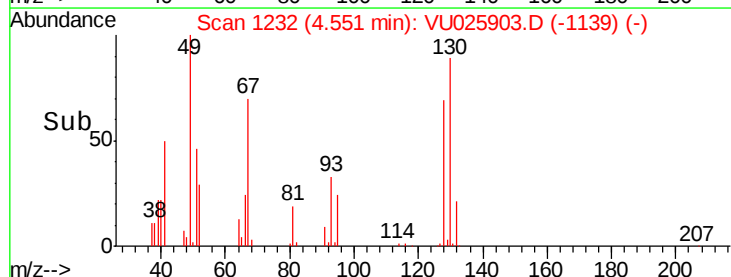
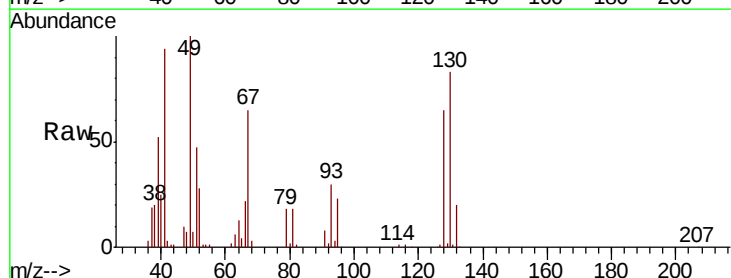
RT: 4.55 min Scan# 1232

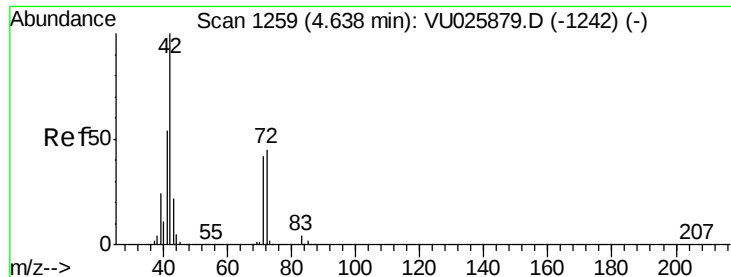
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91823		
129	2.1	0.0	4.6	
130	86.1	68.6	102.8	





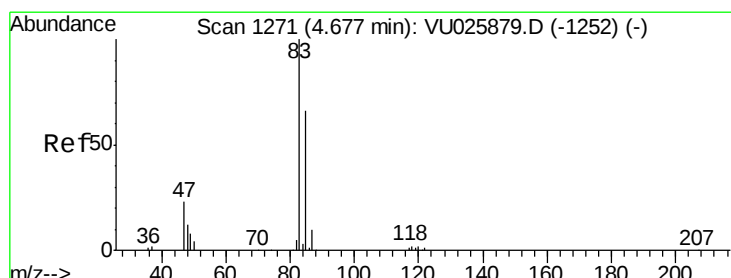
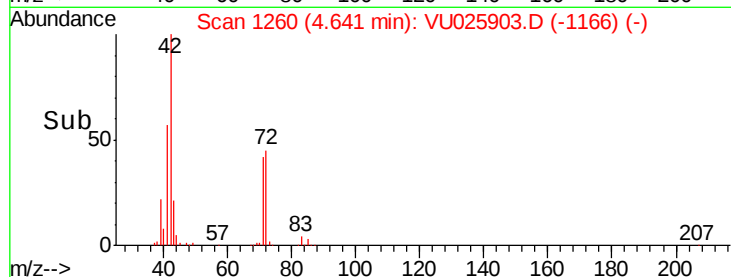
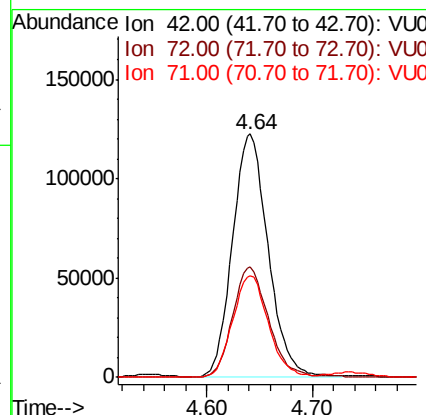
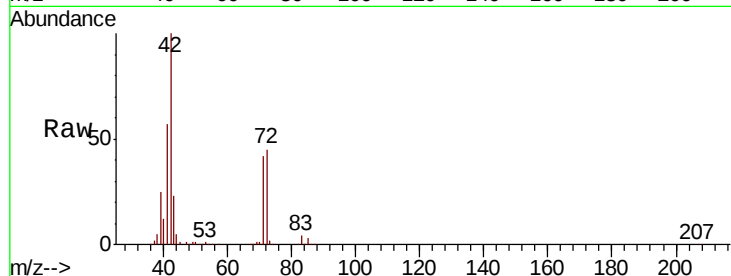
#29
Tetrahydrofuran
Concen: 258.13 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	42.0	33.9	50.9

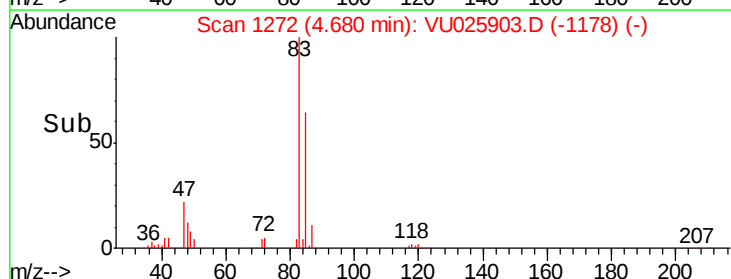
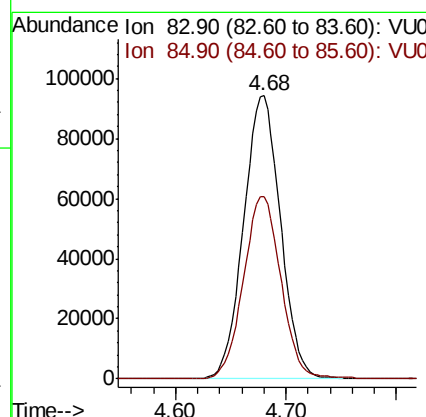
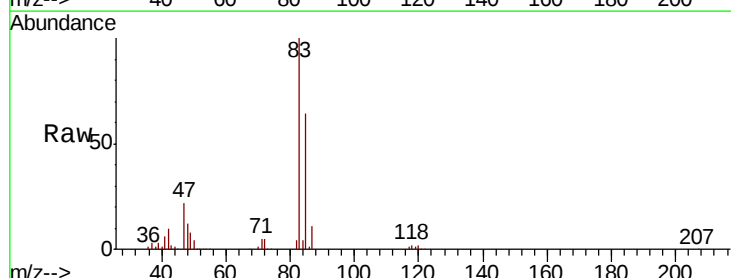
Manual Integrations
APPROVED

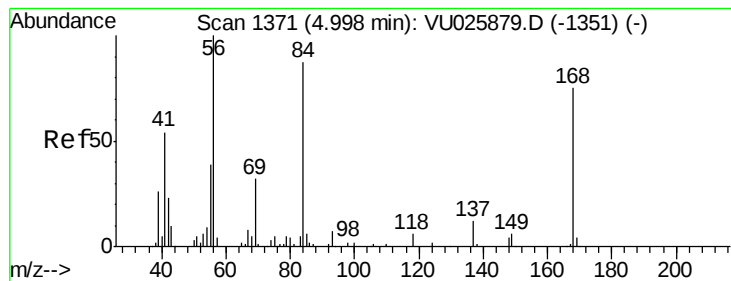
MMDadoda
8/7/2018 1:51:43 PM



#30
Chloroform
Concen: 50.63 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





#31

Cyclohexane

Concen: 52.37 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

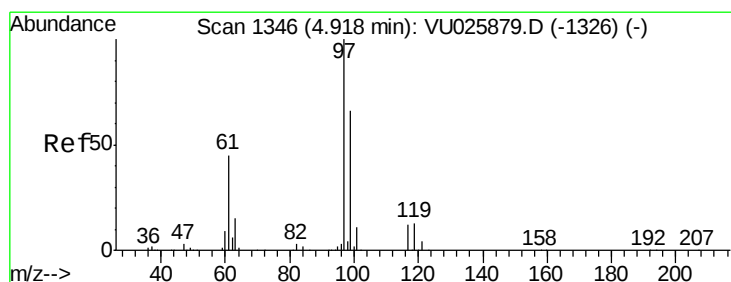
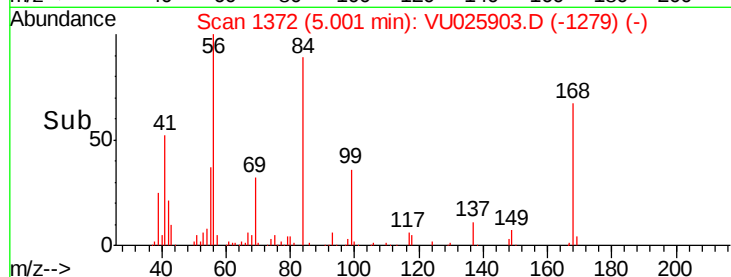
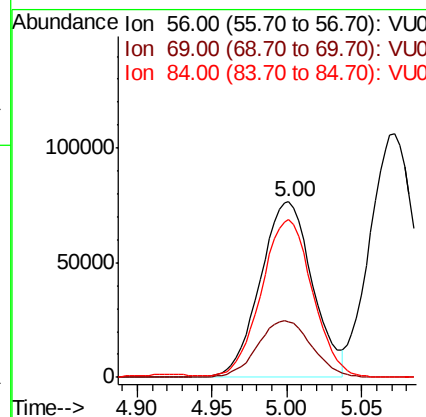
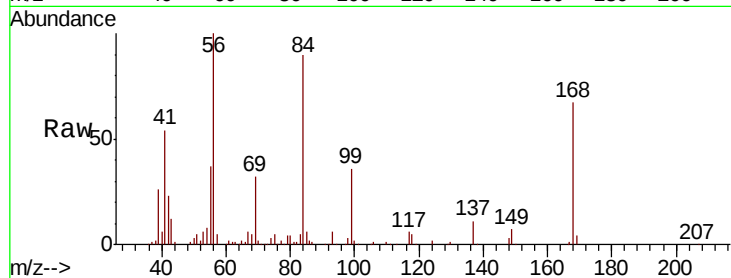
ClientSampled :

FL-0519MS

Tot Ion:	56	Resp:	186203
Ion	Ratio	Lower	Upper
56	100		
69	31.8	26.8	40.2
84	88.7	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.02 ug/l

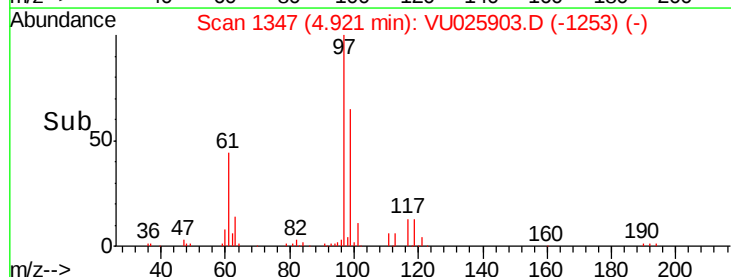
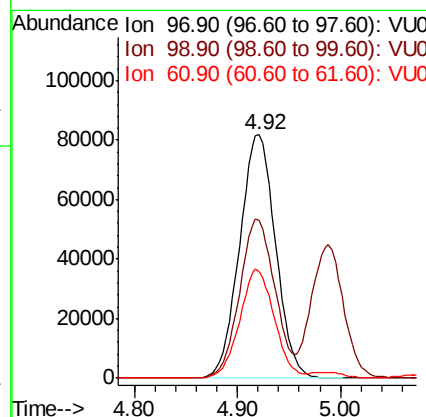
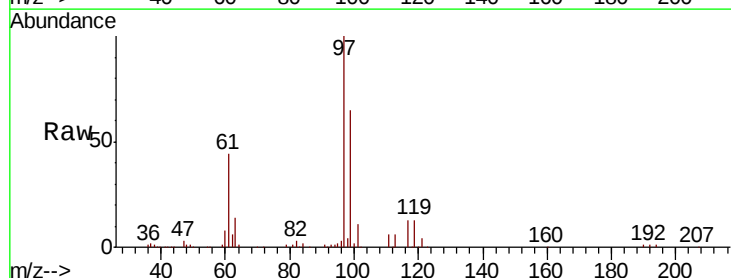
RT: 4.92 min Scan# 1347

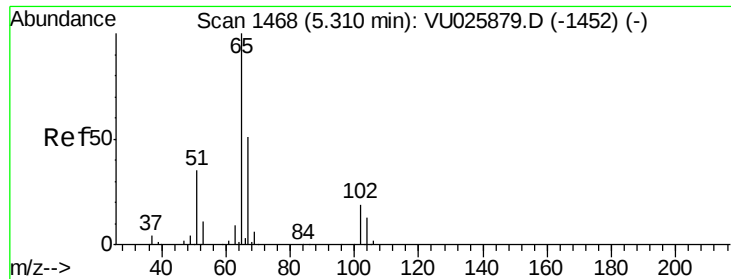
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	97	Resp:	198435
Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	43.1	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 51.03 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 65 Resp: 142575

Ion Ratio Lower Upper

65 100

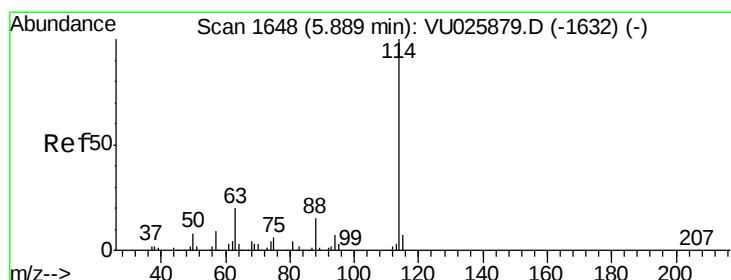
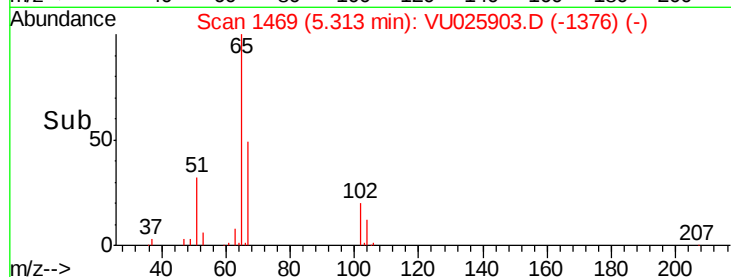
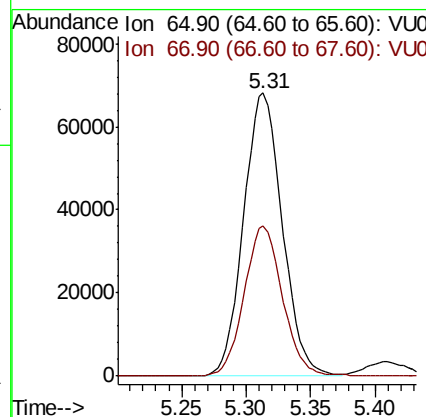
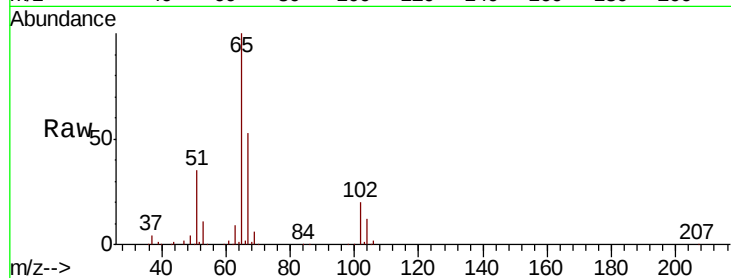
67 52.4 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

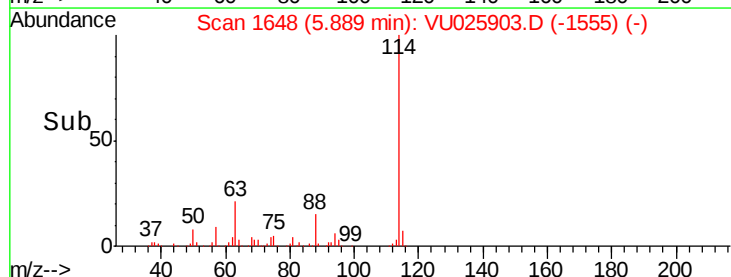
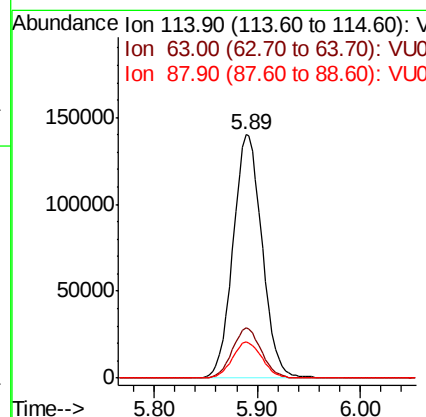
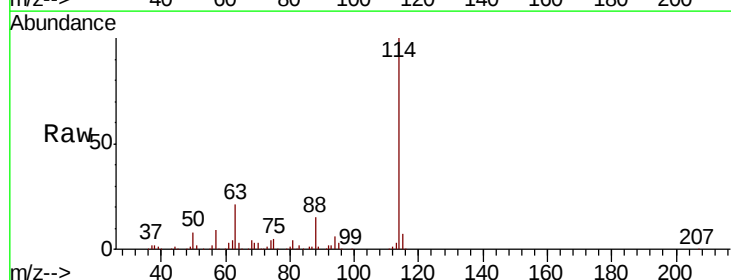
Tgt Ion: 114 Resp: 274402

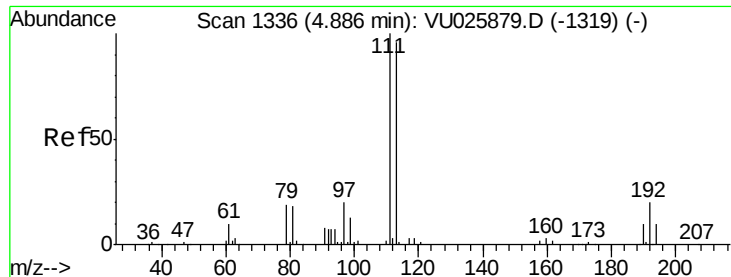
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.6

88 15.0 0.0 32.4





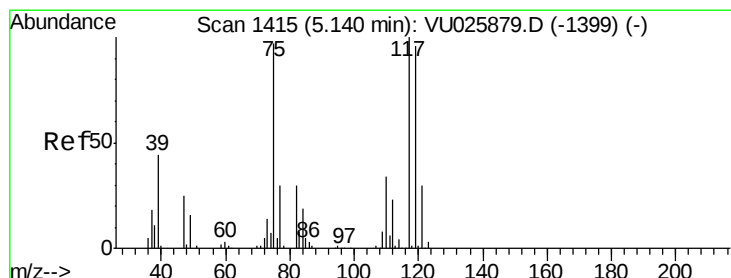
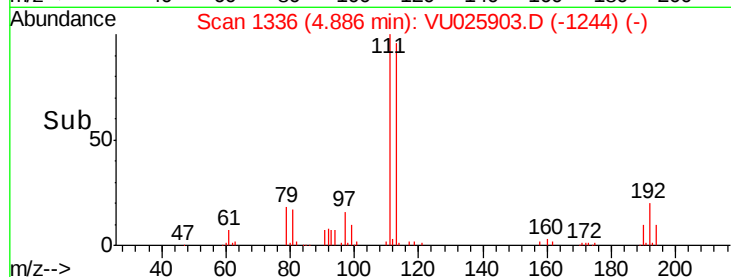
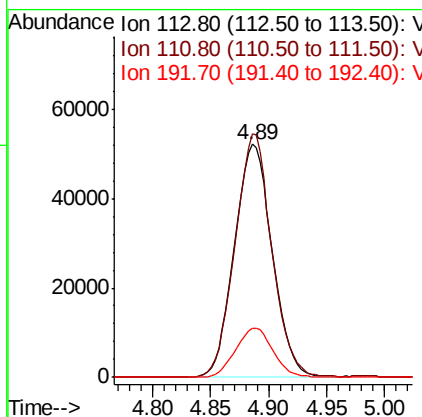
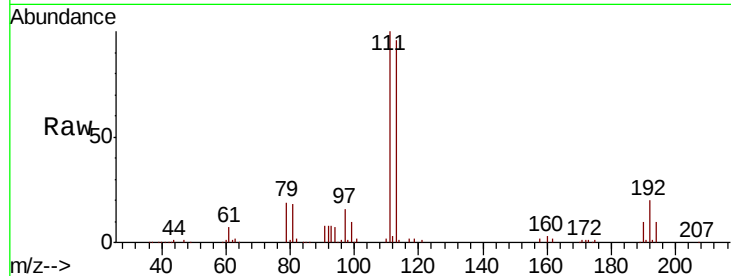
#35
 Dibromofluoromethane
 Concen: 49.61 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.1	81.7	122.5	
192	20.8	17.1	25.7	

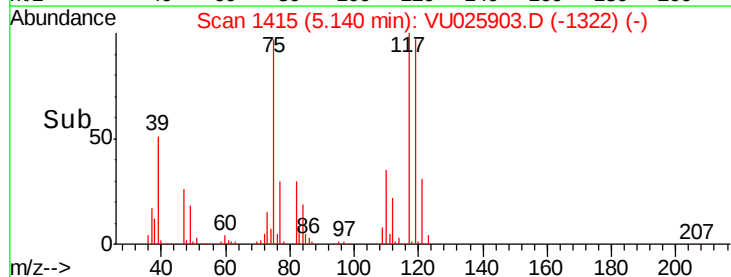
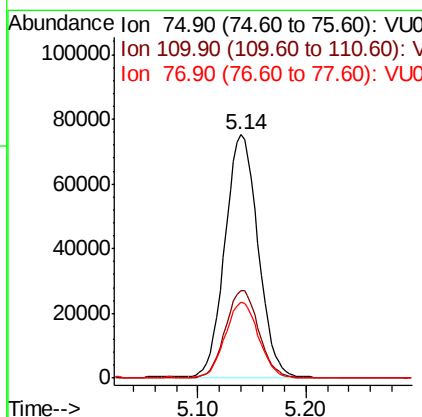
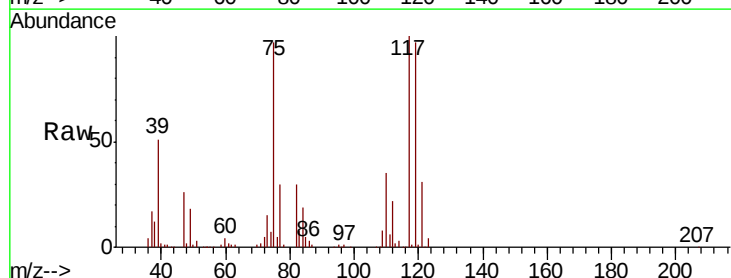
Manual Integrations
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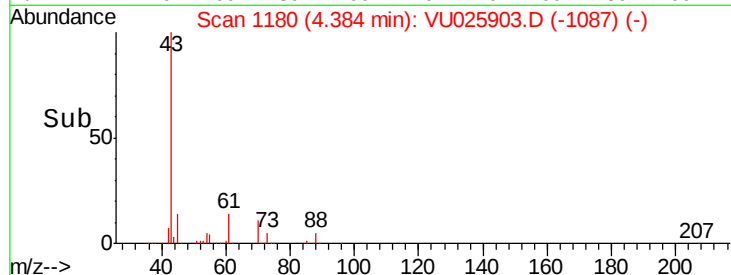
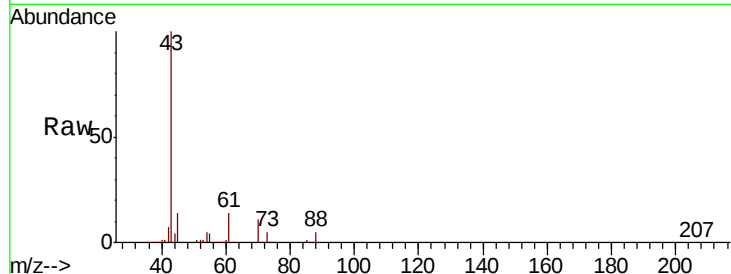
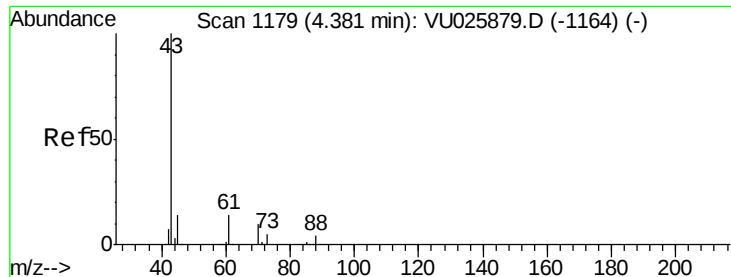
MMDadoda
 8/7/2018 1:51:43 PM



#36
 1,1-Dichloropropene
 Concen: 50.22 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	17.6	52.9	
77	30.9	24.4	36.6	





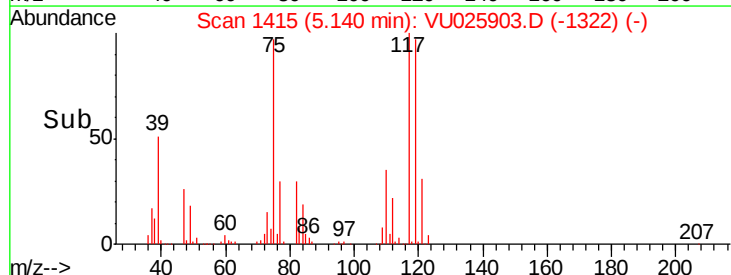
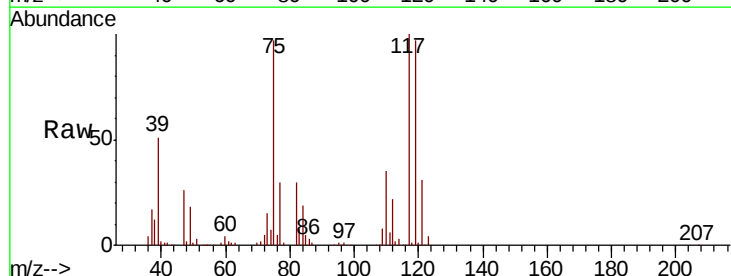
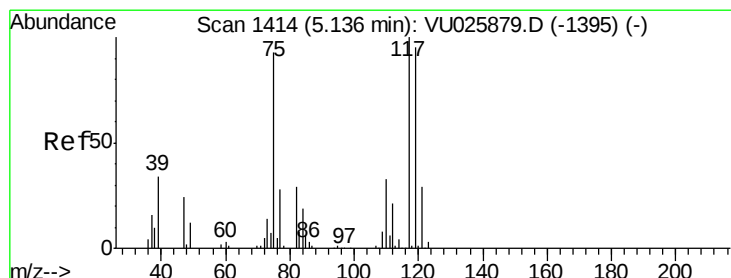
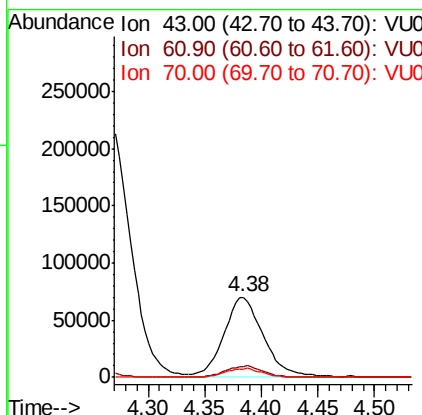
#37
Ethyl Acetate
Concen: 49.97 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tot Ion:	43	Resp:	166151
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	10.6	8.4	12.6

Instrument :
MSVOA_U
ClientSampled :
FL-0519MS

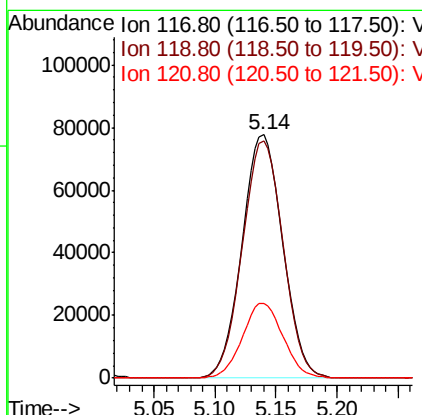
Manual Integrations
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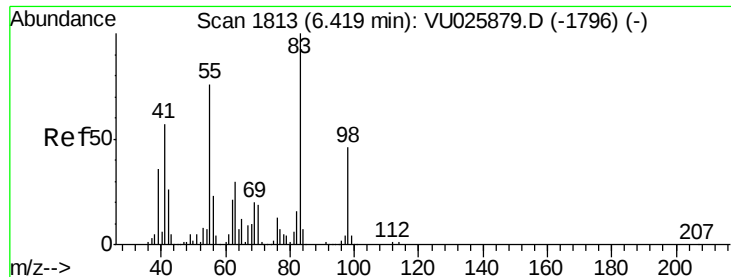
MMDadoda
8/7/2018 1:51:43 PM



#38
Carbon Tetrachloride
Concen: 49.33 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion:	117	Resp:	179185
Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.7	113.5
121	30.9	24.6	36.8





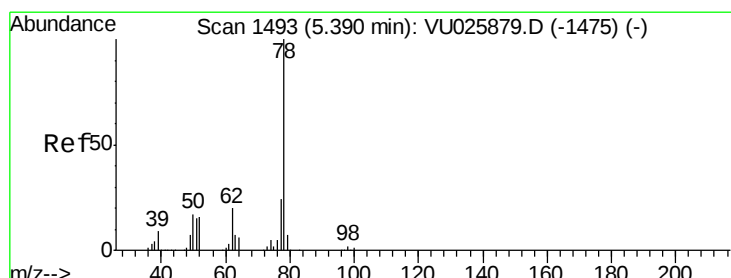
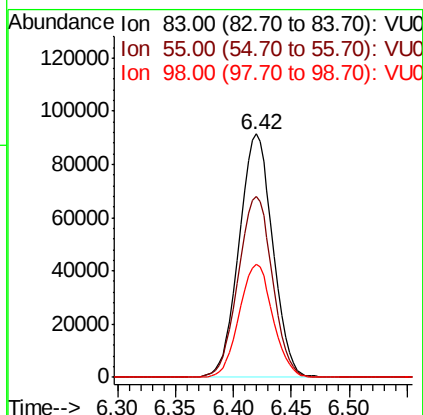
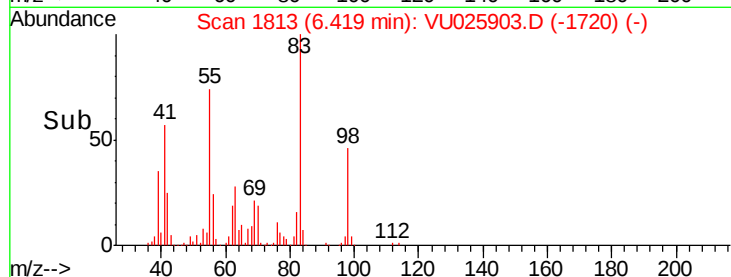
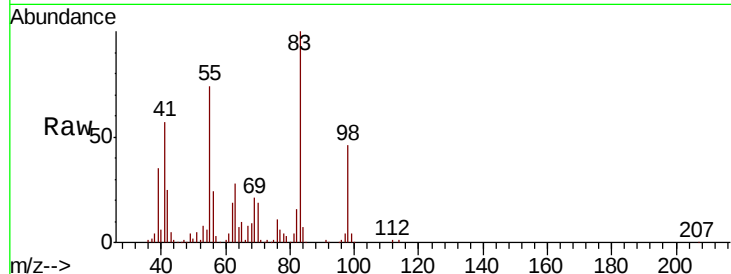
#39
Methvlcvclohexane
Concen: 50.25 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.1	60.0	90.0	
98	46.2	36.1	54.1	

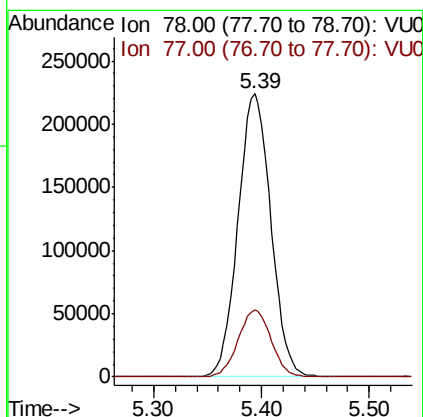
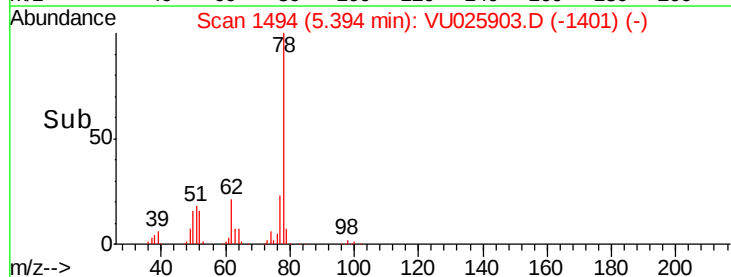
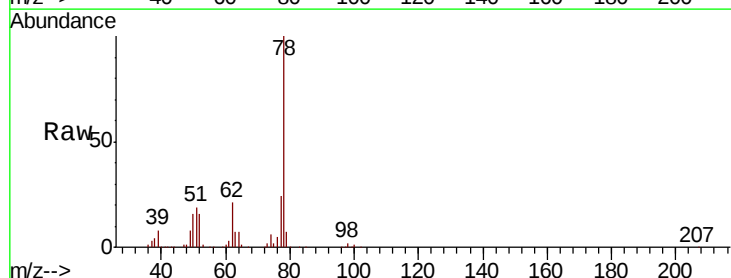
Manual Integrations
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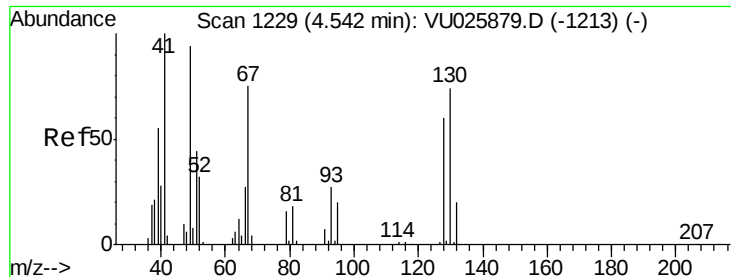
MMDadoda
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#40
Benzene
Concen: 50.64 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.8	29.6	





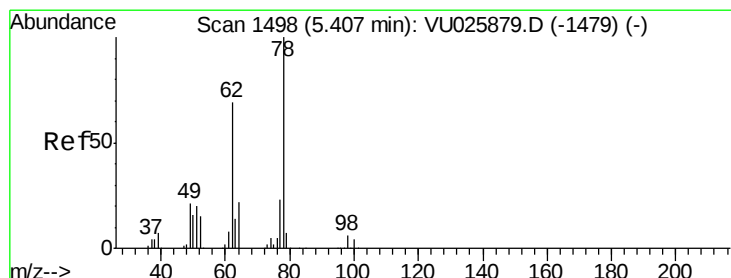
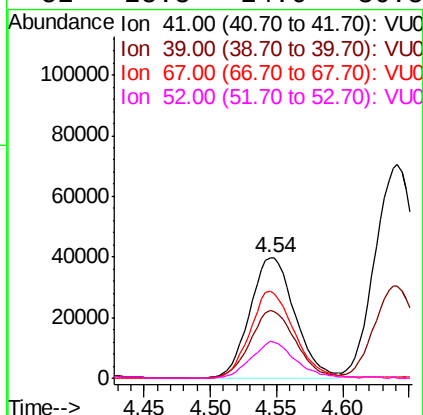
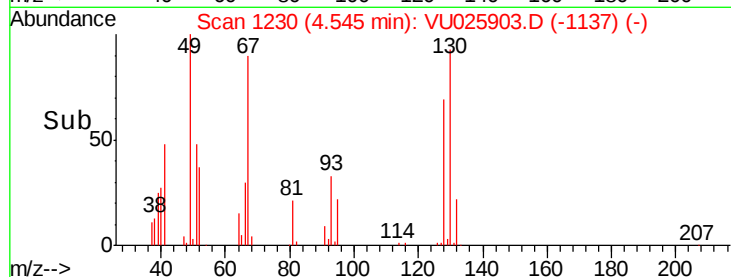
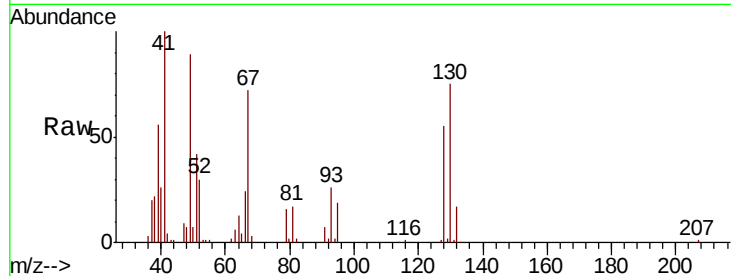
#41
Methacrylonitrile
Concen: 50.89 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampled :
FL-0519MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	44.4	66.6	
67	71.2	56.0	84.0	
52	28.8	24.6	36.8	

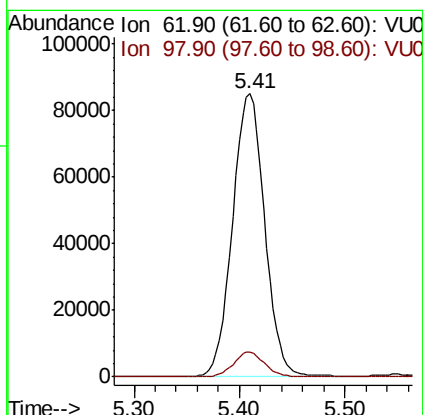
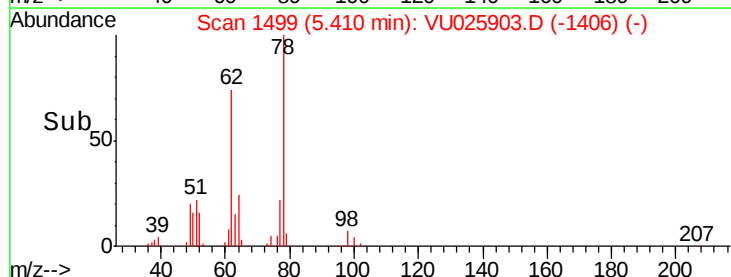
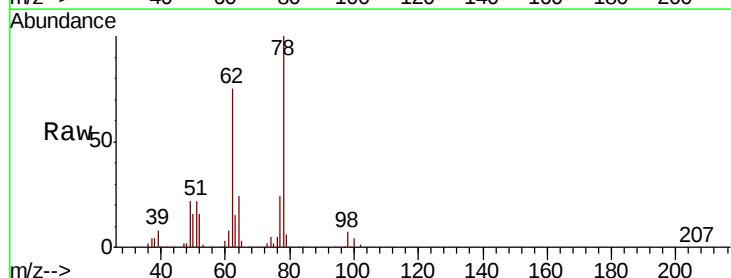
Manual Integrations
APPROVED

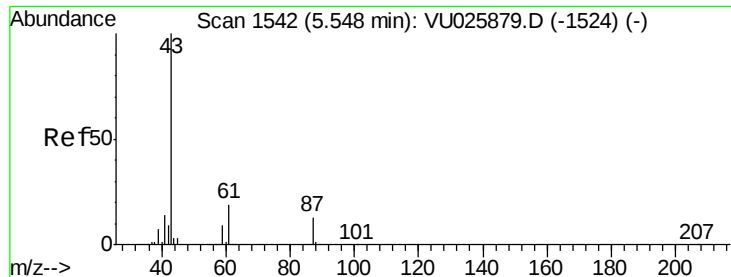
MMDadoda
8/7/2018 1:51:43 PM



#42
1,2-Dichloroethane
Concen: 49.91 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





#43

Isopropyl Acetate

Concen: 48.94 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

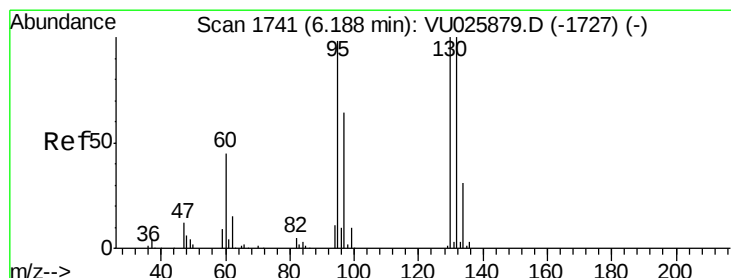
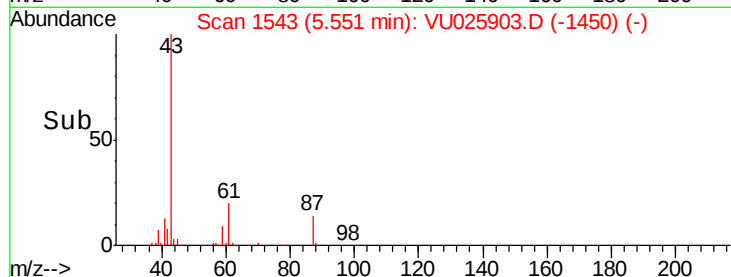
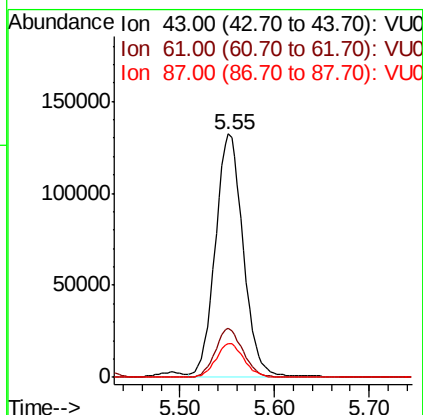
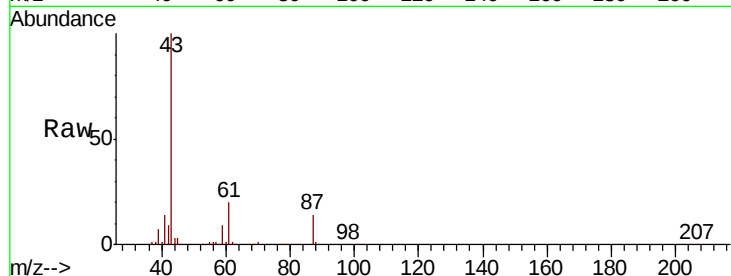
ClientSampleId :

FL-0519MS

Tot Ion:	43	Resp:	268899
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.5	23.3
87	14.0	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 48.57 ug/l

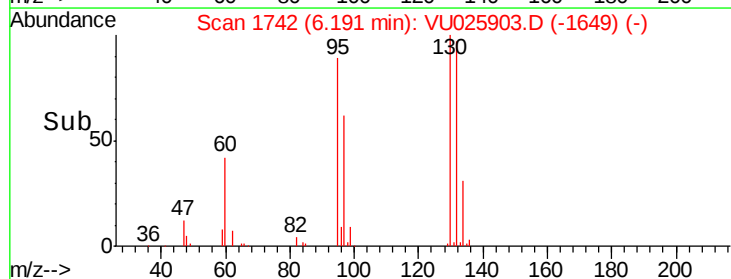
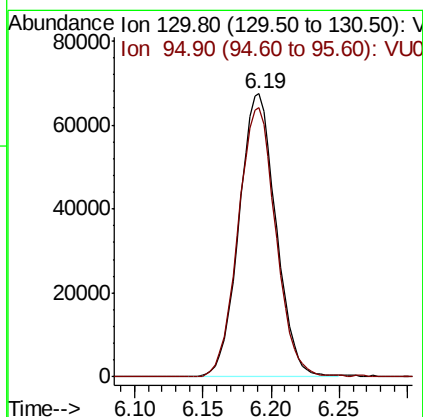
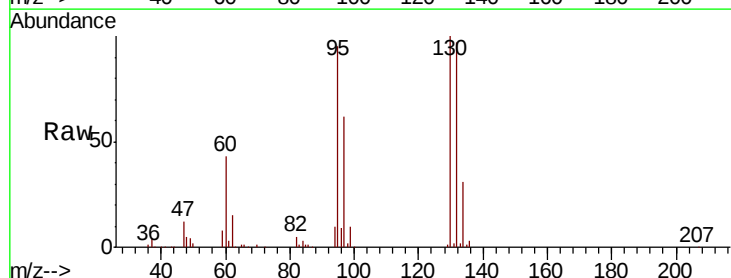
RT: 6.19 min Scan# 1742

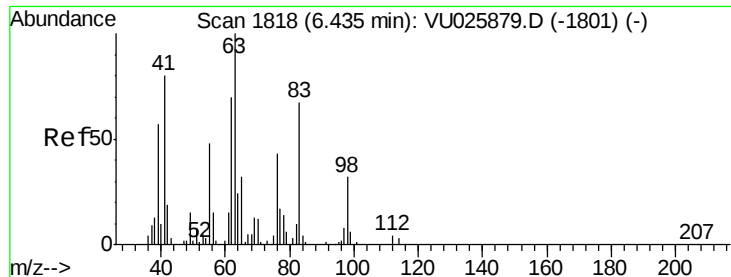
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	130	Resp:	126780
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	192.2





#45

1,2-Dichloropropane

Concen: 50.10 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 63 Resp: 122478

Ion Ratio Lower Upper

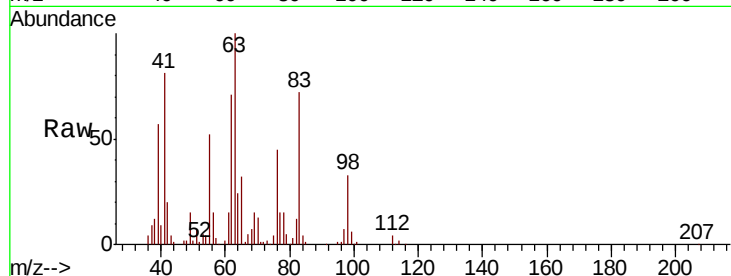
63 100

65 32.1 26.1 39.1

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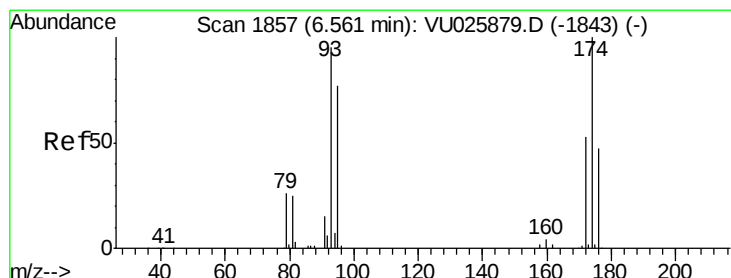
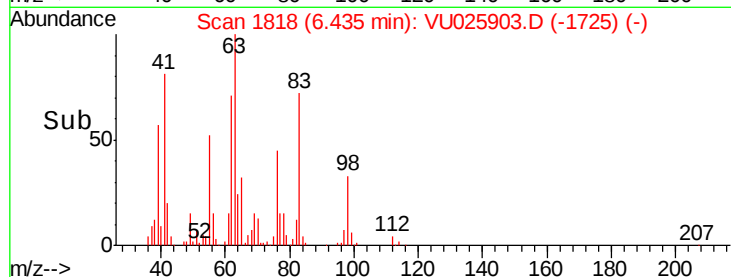
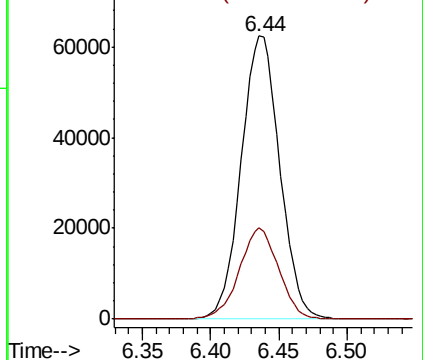
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 48.83 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

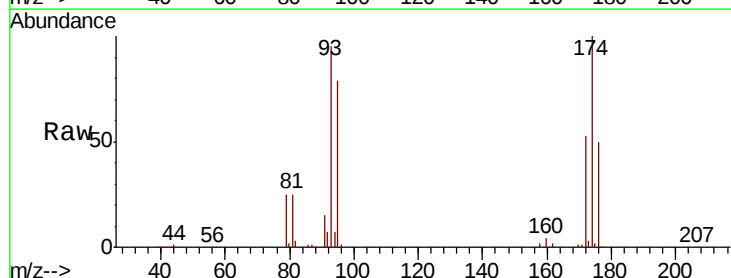
Tgt Ion: 93 Resp: 86492

Ion Ratio Lower Upper

93 100

95 85.4 66.6 100.0

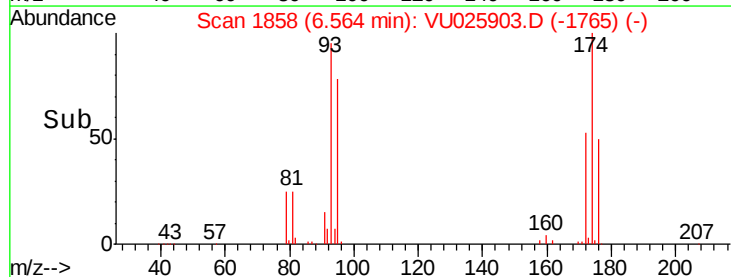
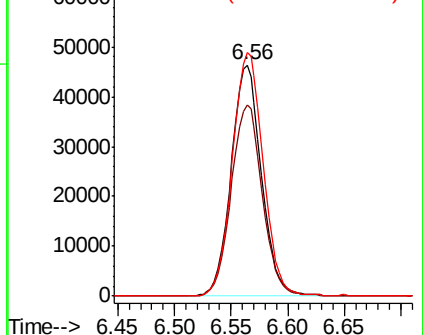
174 107.4 85.8 128.8

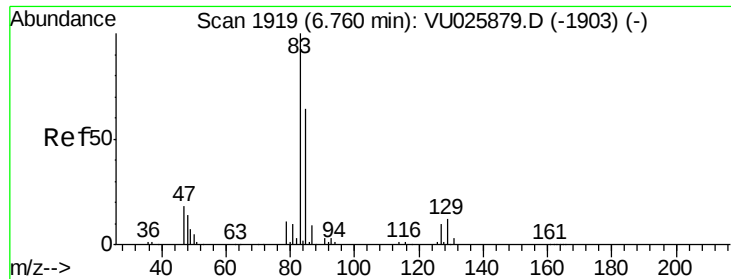


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.00 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

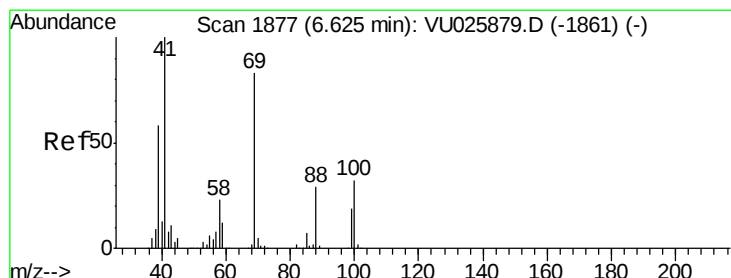
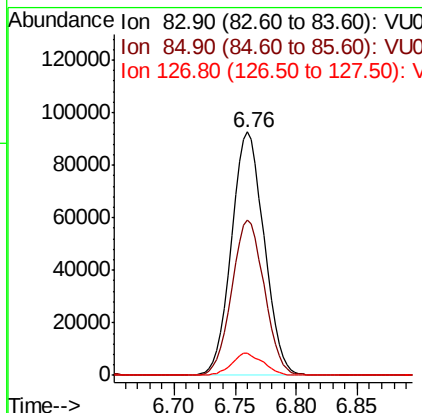
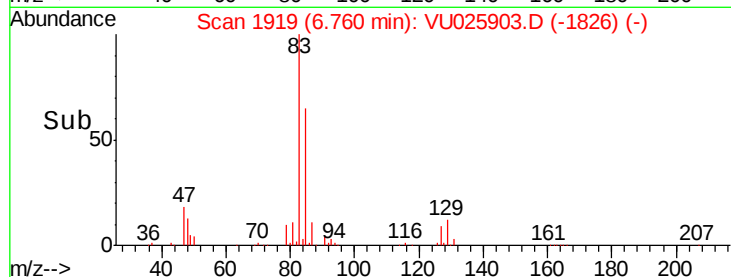
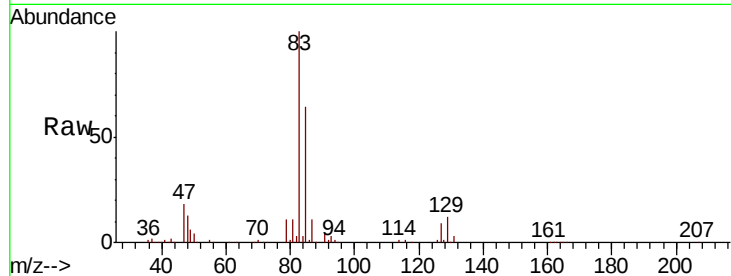
ClientSampleId :

FL-0519MS

Tot Ion:	83	Resp:	172317
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.2	75.4
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.89 ug/l

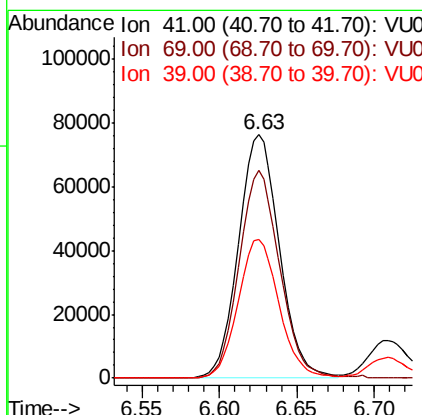
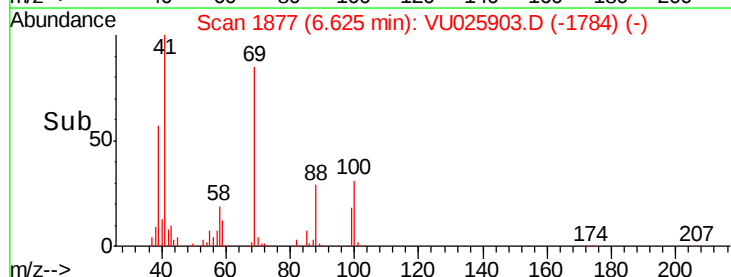
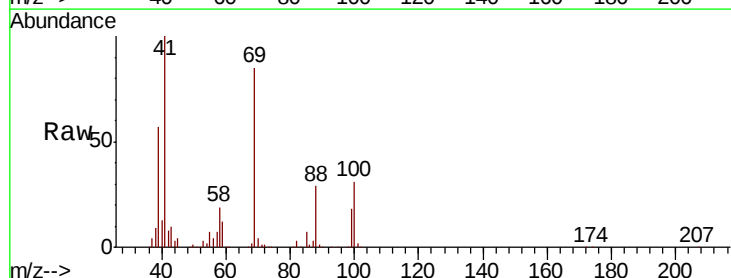
RT: 6.63 min Scan# 1877

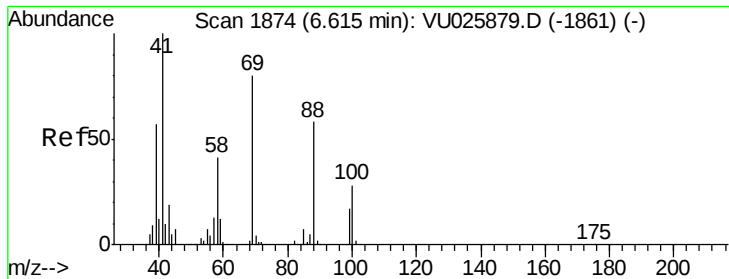
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	41	Resp:	139750
Ion	Ratio	Lower	Upper
41	100		
69	85.2	65.0	97.4
39	56.8	46.4	69.6





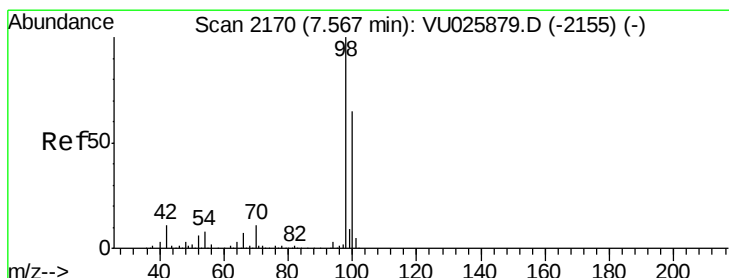
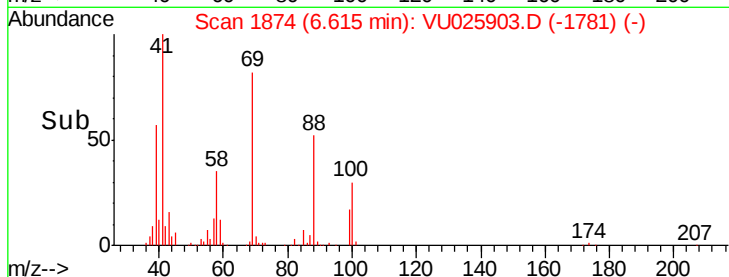
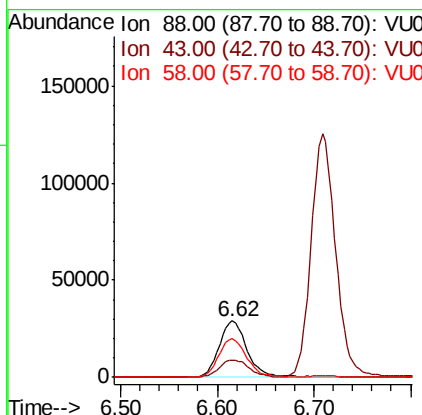
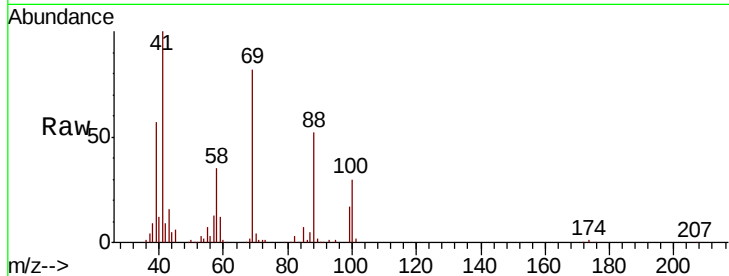
#49
1,4-Dioxane
Concen: 879.35 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	27.3	40.9
58	70.2	57.6	86.4

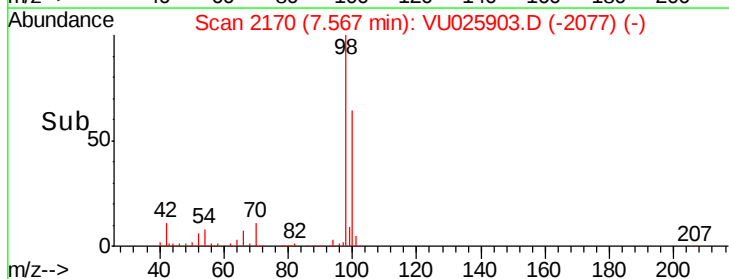
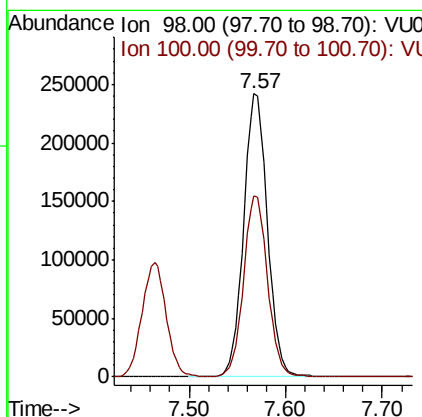
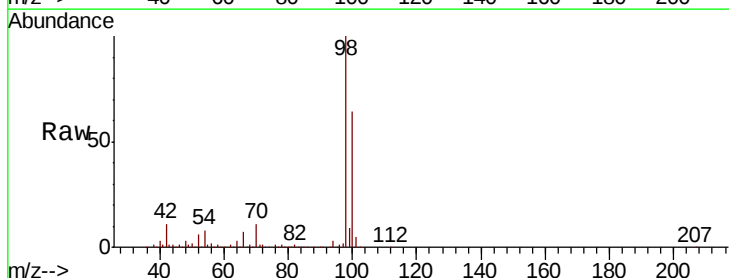
Manual Integrations
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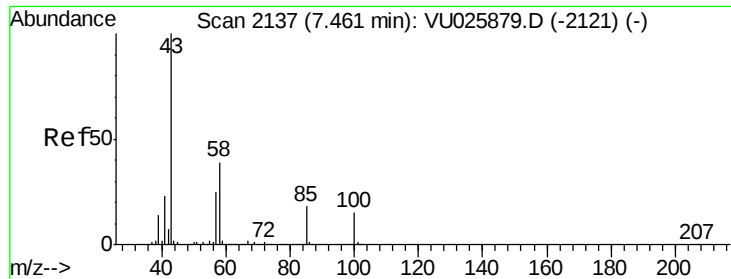
MMDadoda
8/7/2018 1:51:43 PM



#50
Toluene-d8
Concen: 49.51 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 321.15 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 43 Resp: 1104767

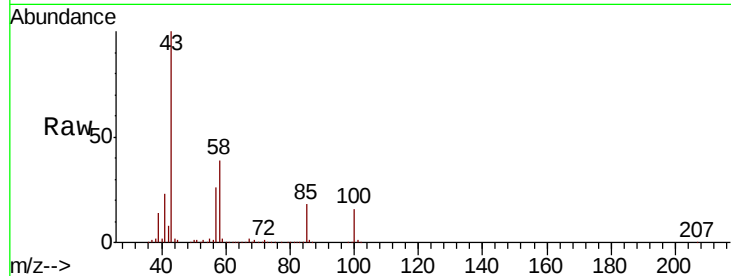
Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.4

Manual Integrations
APPROVED

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8/7/2018 1:51:43 PM



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

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

7.46

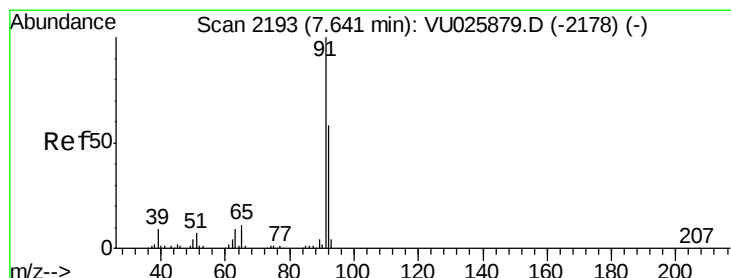
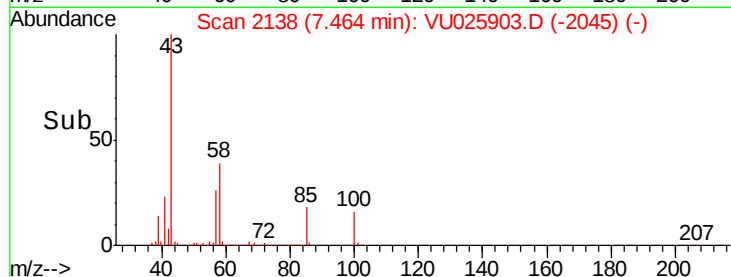
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.06 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025903.D

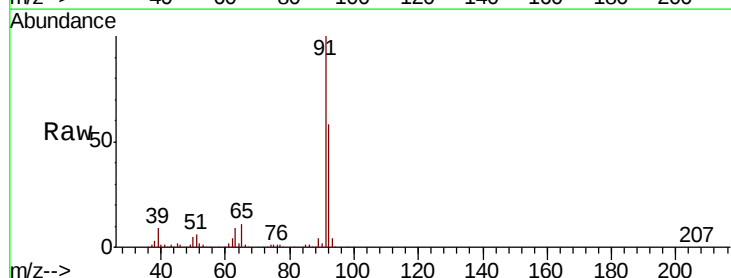
Acq: 06 Aug 2018 21:59

Tgt Ion: 92 Resp: 297374

Ion Ratio Lower Upper

92 100

91 171.7 139.2 208.8



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

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

7.64

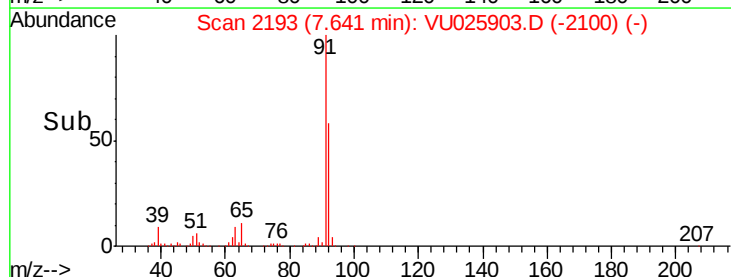
300000

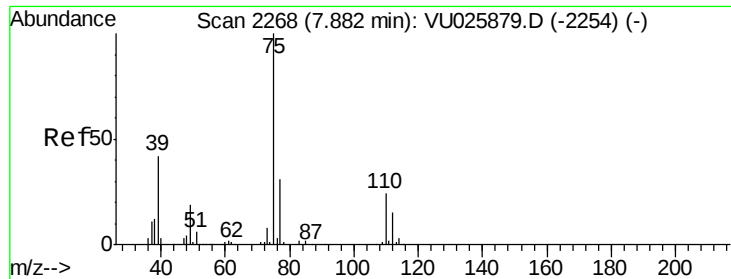
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.45 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampled :

FL-0519MS

Tot Ion: 75 Resp: 191405

Ion Ratio Lower Upper

75 100

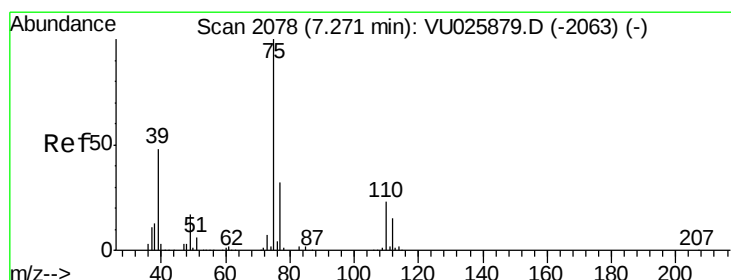
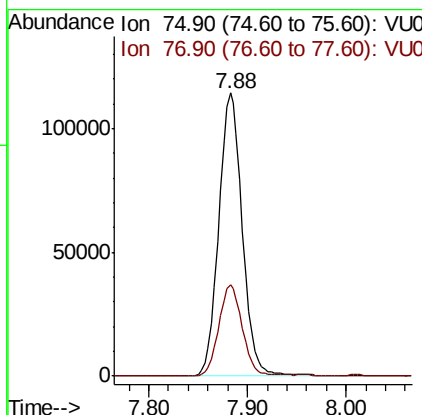
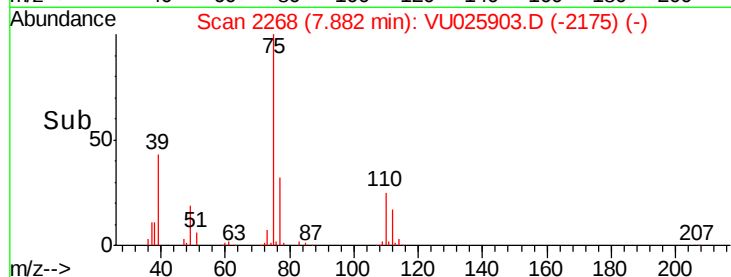
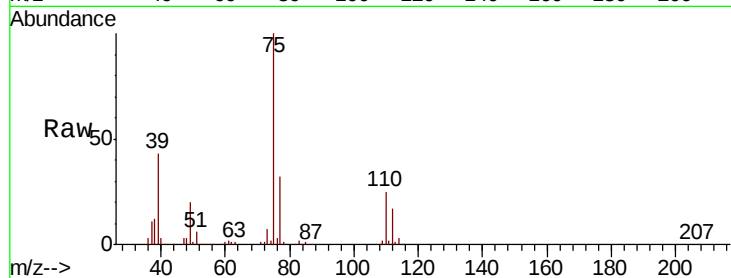
77 32.2 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.37 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

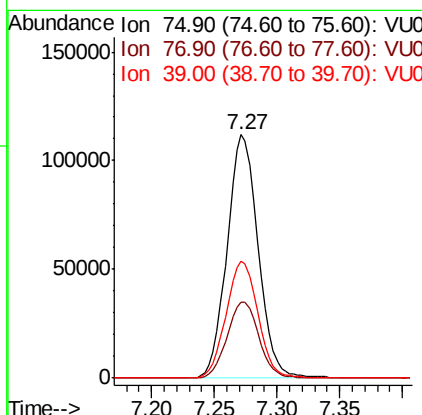
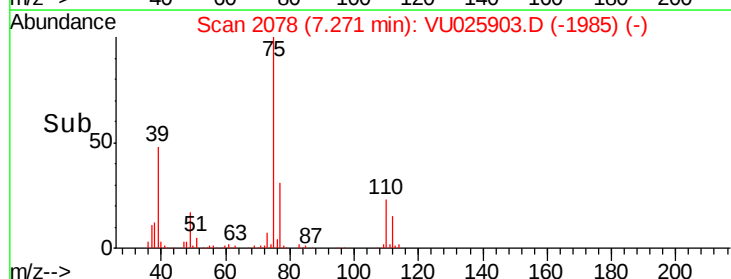
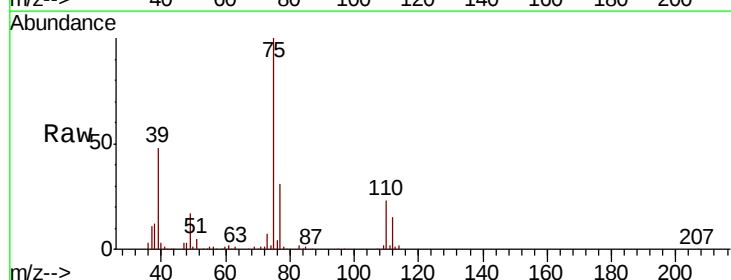
Tgt Ion: 75 Resp: 192402

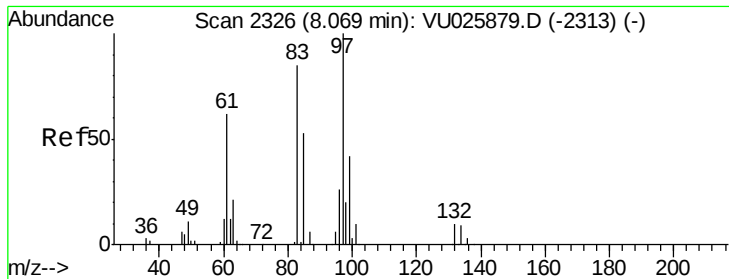
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 48.1 40.0 60.0





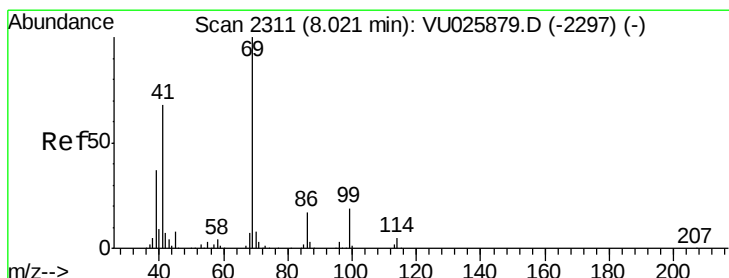
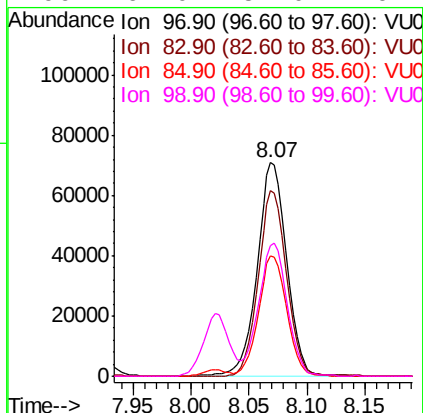
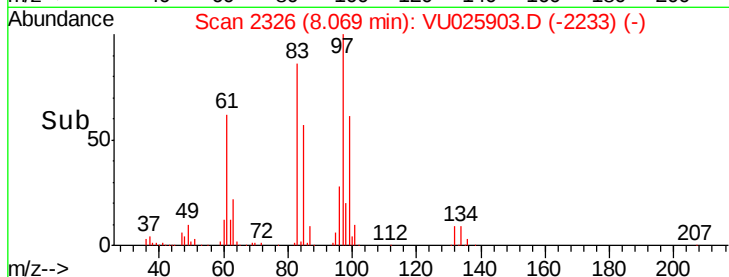
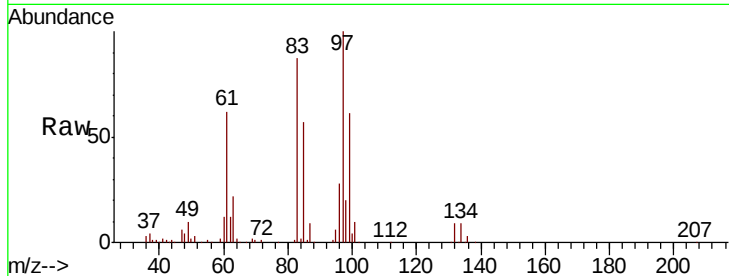
#55
 1,1,2-Trichloroethane
 Concen: 51.91 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0519MS

Tot Ion:	97	Resp:	125638
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.9	103.3
85	56.3	44.4	66.6
99	61.0	51.0	76.4

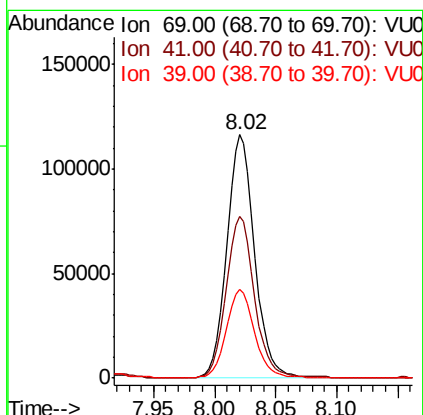
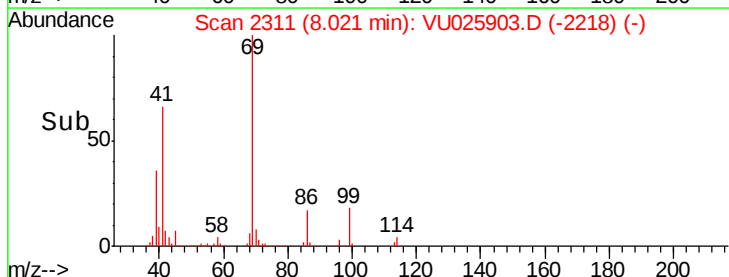
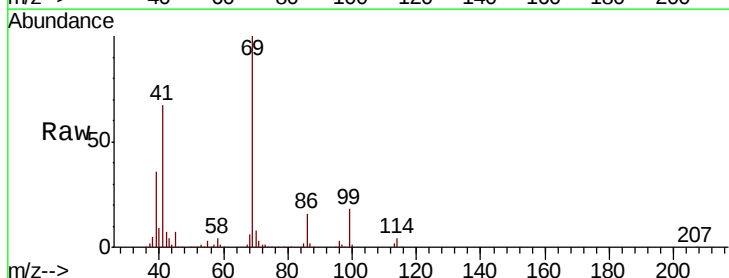
Manual Integrations
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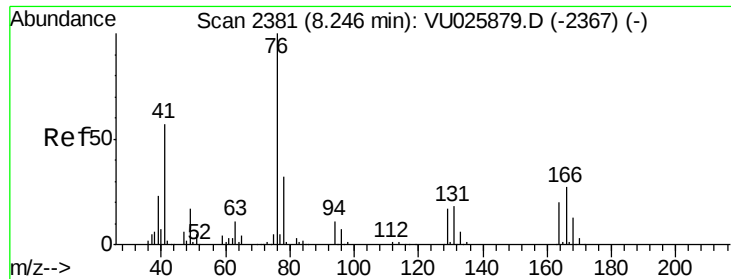
MMDadoda
 8/7/2018 1:51:43 PM



#56
 Ethyl methacrylate
 Concen: 53.68 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion:	69	Resp:	185619
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.8	82.2
39	36.8	31.1	46.7





#57

1,3-Dichloropropane

Concen: 50.02 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampled :

FL-0519MS

Tot Ion: 76 Resp: 203579

Ion Ratio Lower Upper

76 100

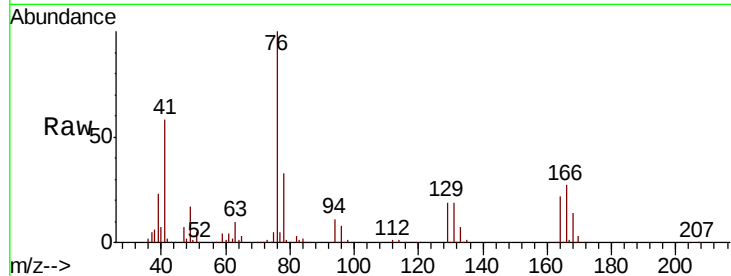
78 33.1 26.1 39.1

Manual Integrations

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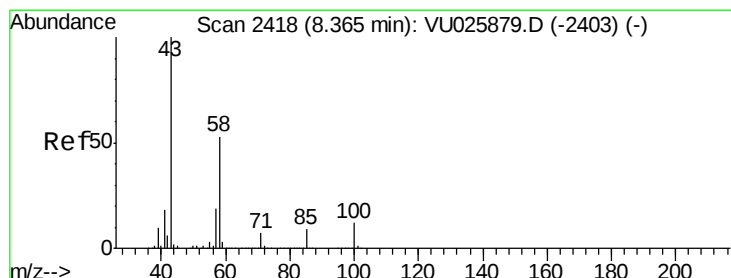
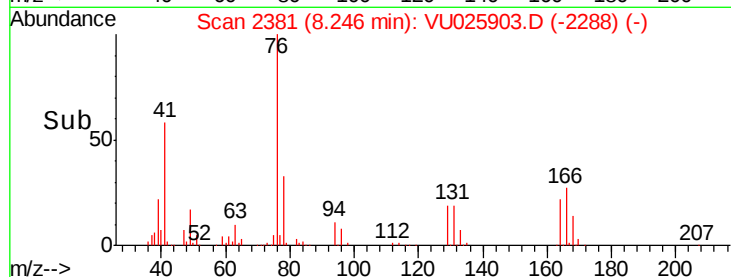
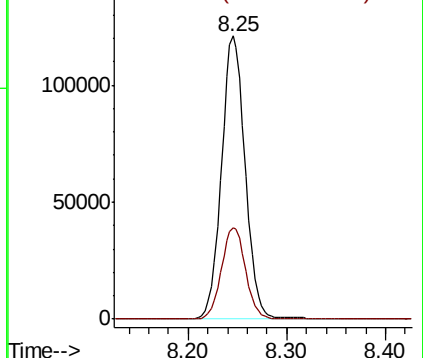
MMDadoda

8/7/2018 1:51:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 315.27 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU025903.D

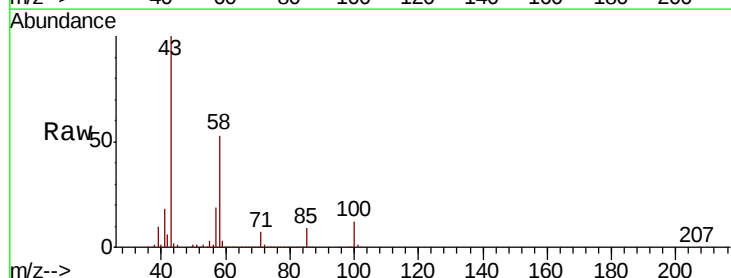
Acq: 06 Aug 2018 21:59

Tgt Ion: 43 Resp: 850158

Ion Ratio Lower Upper

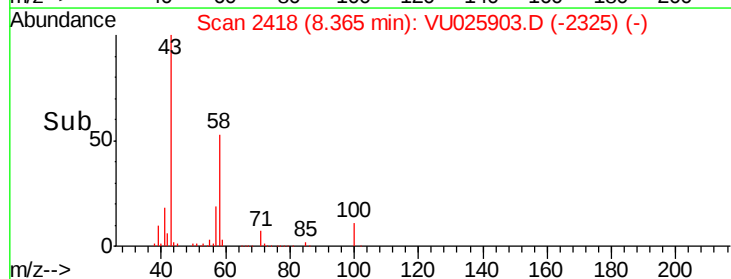
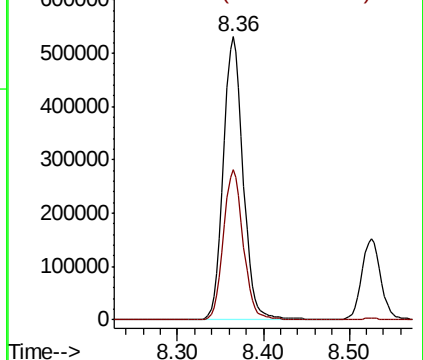
43 100

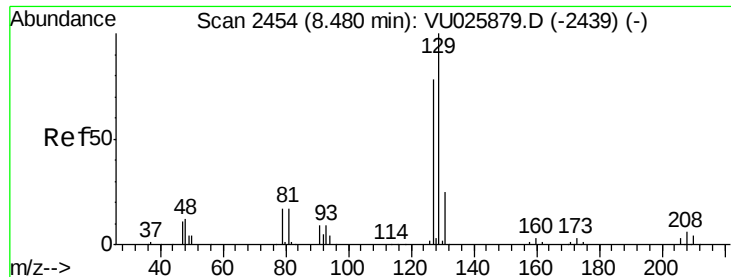
58 53.2 26.2 78.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





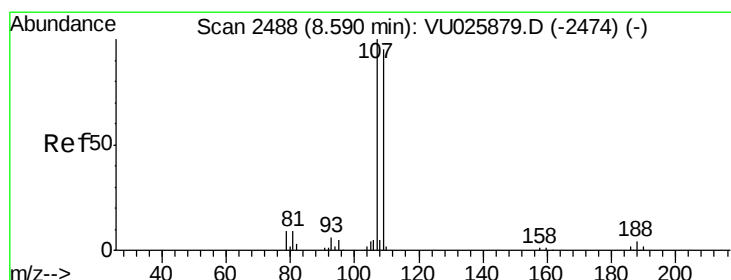
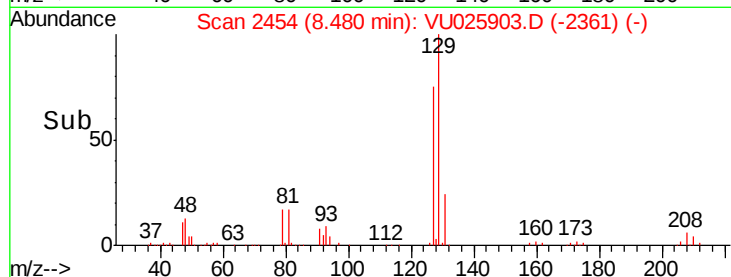
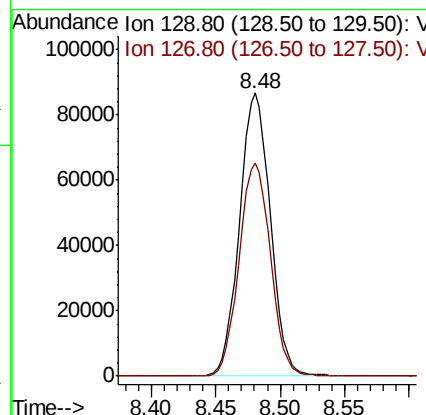
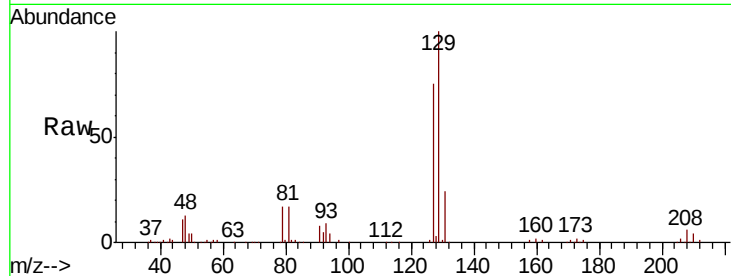
#60
Dibromochloromethane
Concen: 50.65 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampled :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8

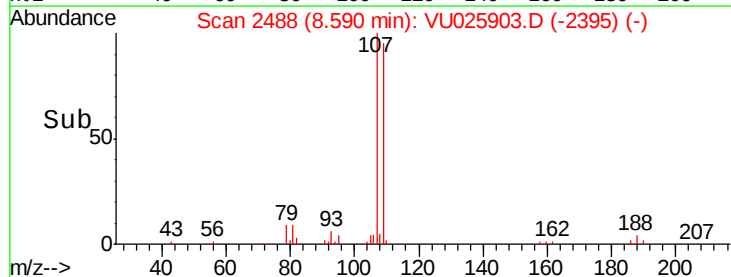
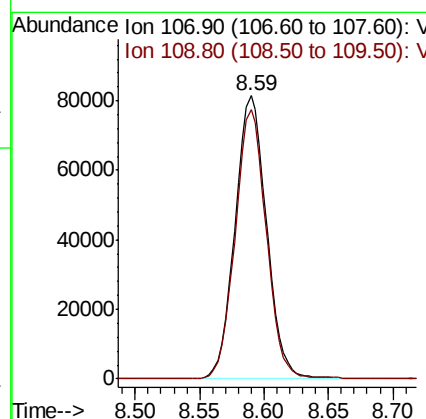
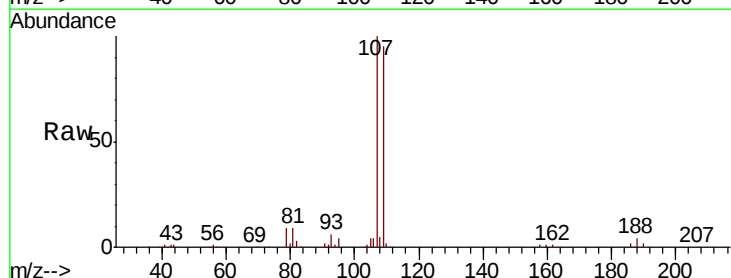
Manual Integrations
APPROVED

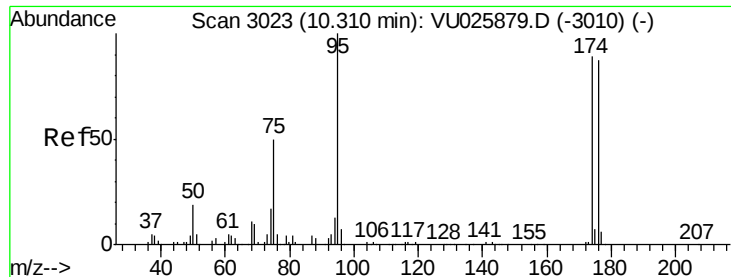
MMDadoda
8/7/2018 1:51:43 PM



#61
1,2-Dibromoethane
Concen: 51.29 ug/l
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8





#62

4-Bromofluorobenzene

Concen: 49.46 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

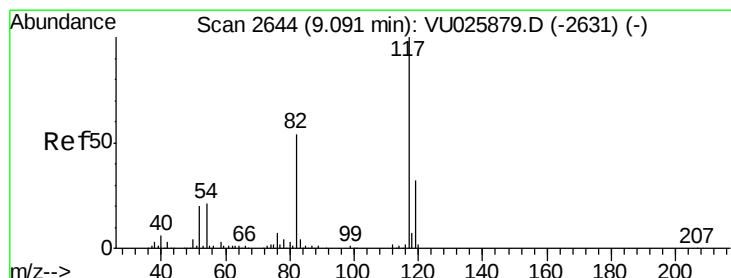
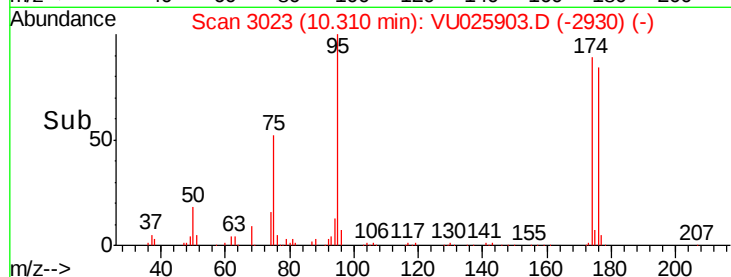
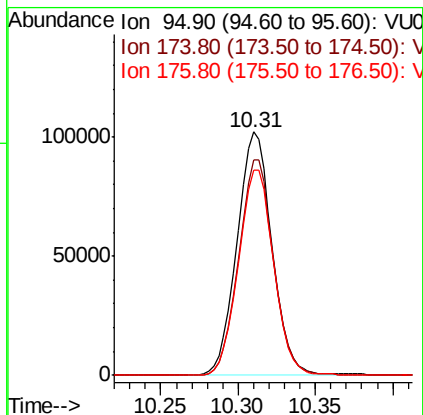
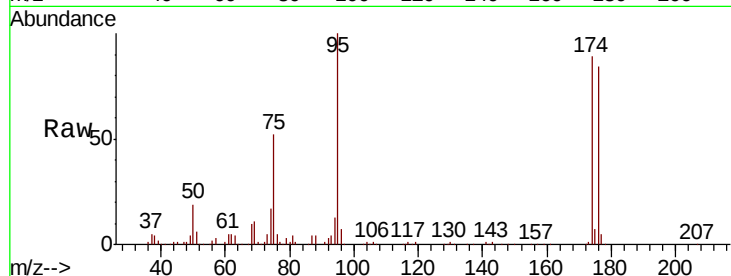
ClientSampled :

FL-0519MS

Tot Ion:	95	Resp:	160320
Ion Ratio	Lower	Upper	
95	100		
174	88.2	0.0	172.2
176	85.3	0.0	162.6

Manual Integrations
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8/7/2018 1:51:43 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

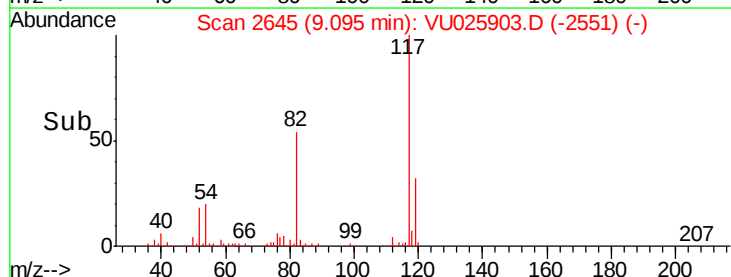
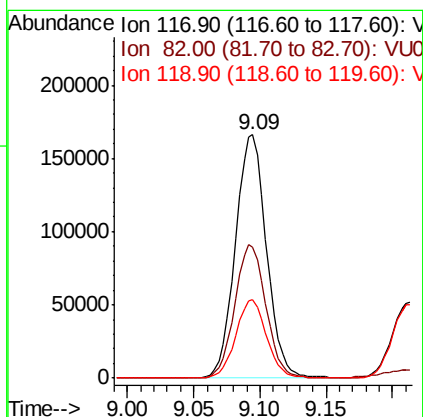
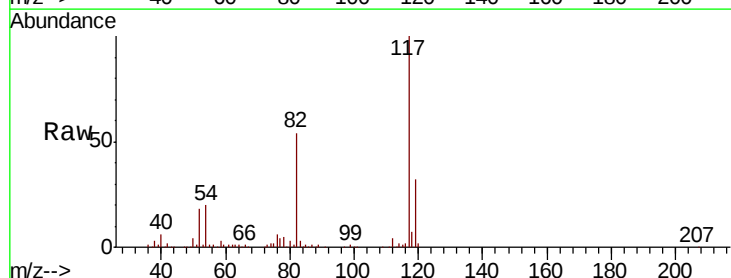
RT: 9.09 min Scan# 2645

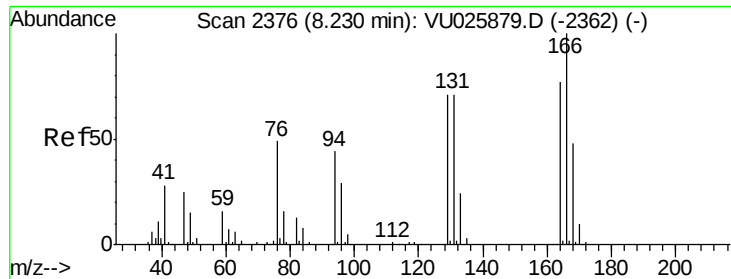
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	117	Resp:	270888
Ion Ratio	Lower	Upper	
117	100		
82	53.6	46.0	69.0
119	32.0	26.0	39.0





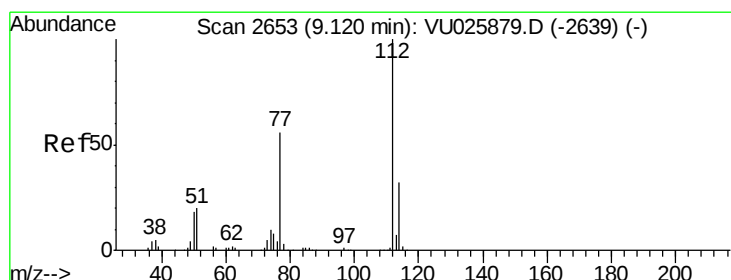
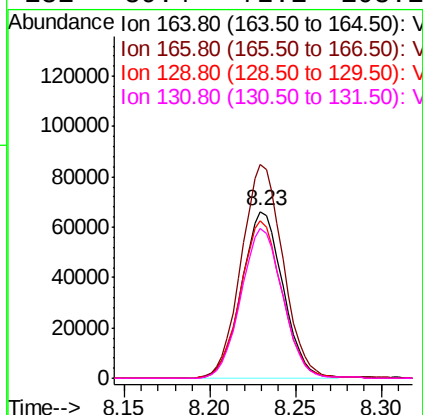
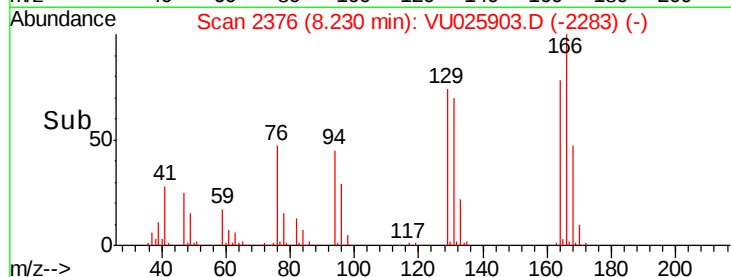
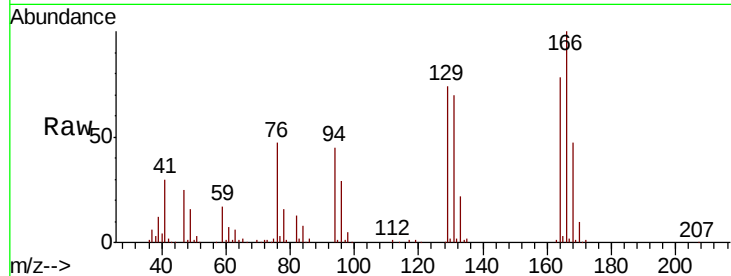
#64
Tetrachloroethene
Concen: 46.40 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.1	151.7
129	94.3	73.0	109.6
131	89.4	72.1	108.1

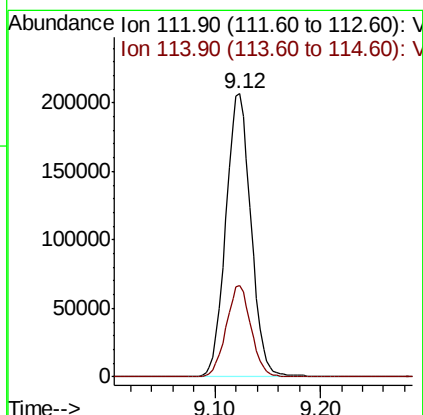
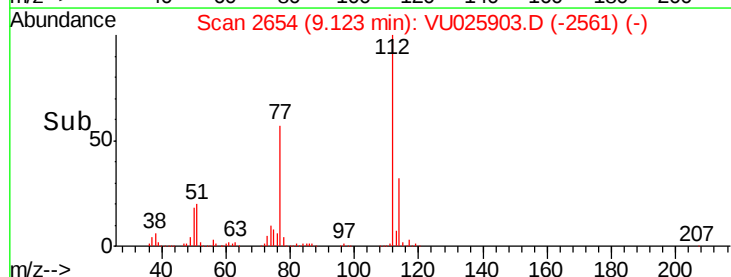
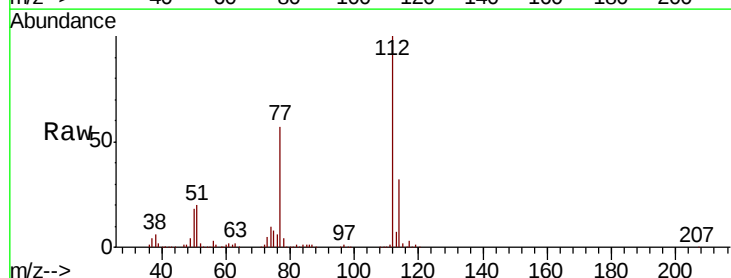
Manual Integrations
APPROVED

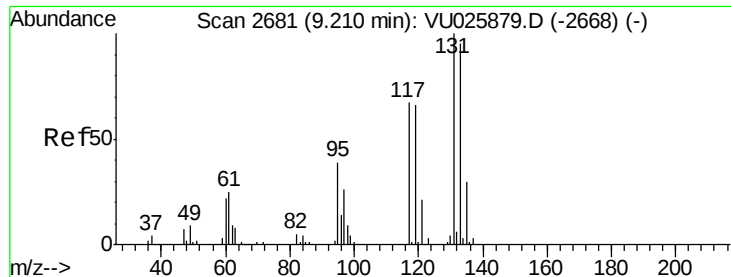
MMDadoda
8/7/2018 1:51:43 PM



#65
Chlorobenzene
Concen: 48.78 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 50.58 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

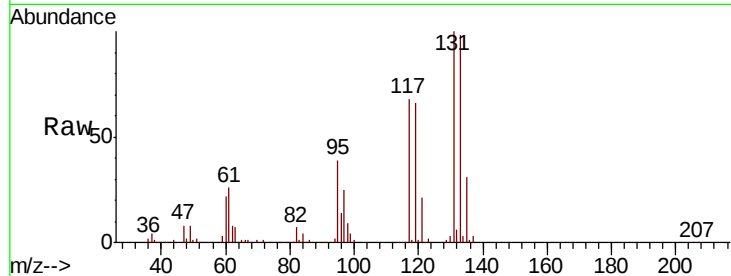
ClientSampled :

FL-0519MS

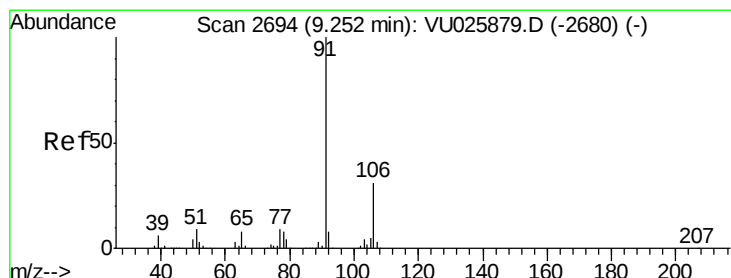
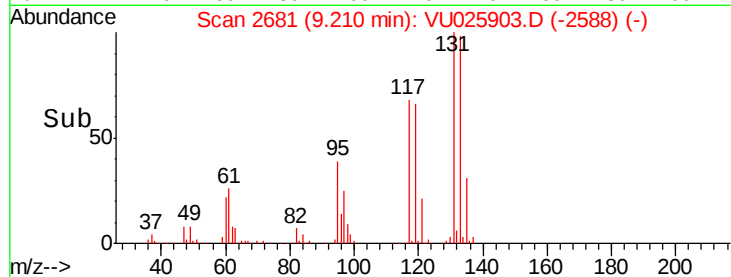
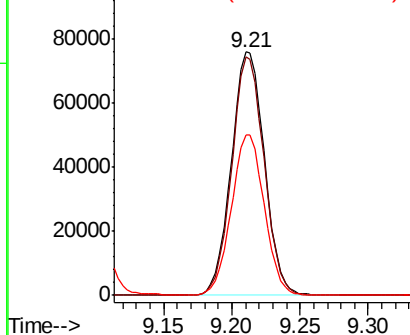
Tot Ion:	131	Resp:	127790
Ion Ratio	Lower	Upper	
131	100		
133	95.7	47.8	143.3
119	65.7	31.6	95.0

Manual Integrations
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 99.62 ug/l

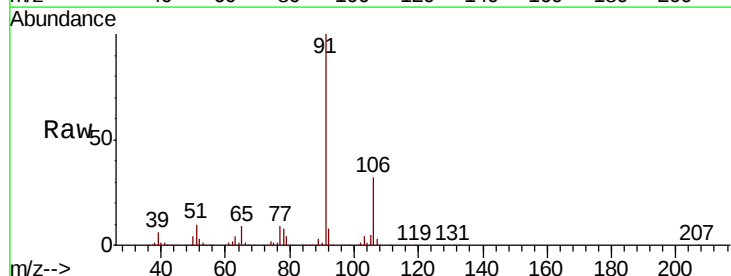
RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

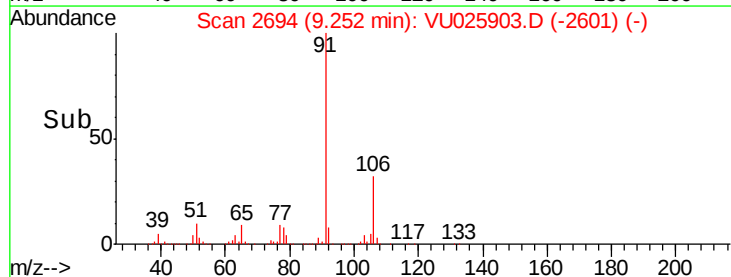
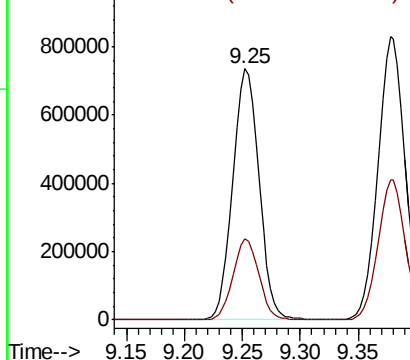
Lab File: VU025903.D

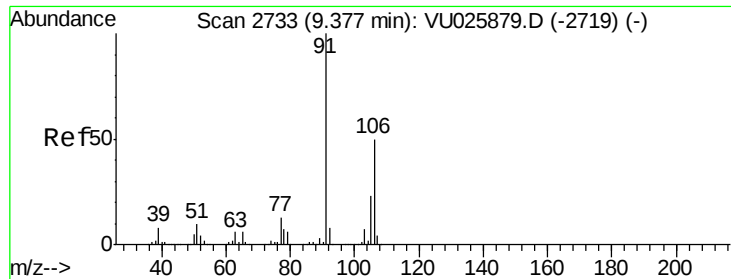
Acq: 06 Aug 2018 21:59

Tgt Ion:	91	Resp:	1152534
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.3	37.9



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





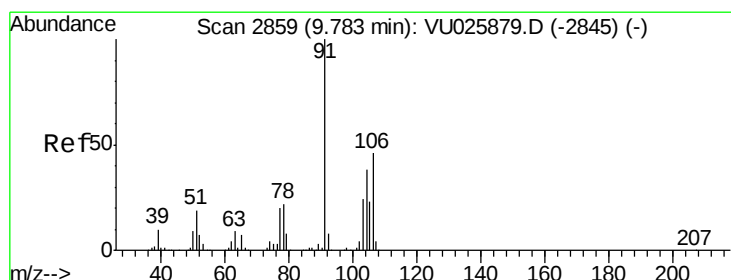
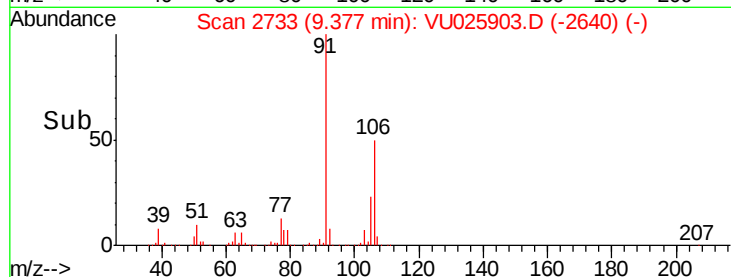
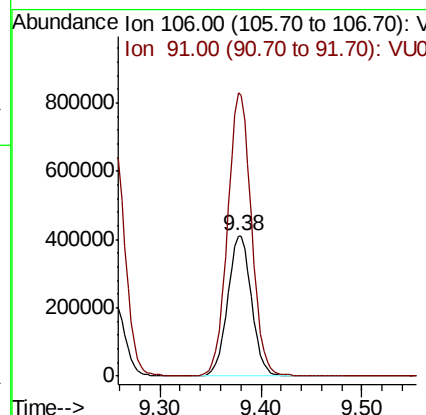
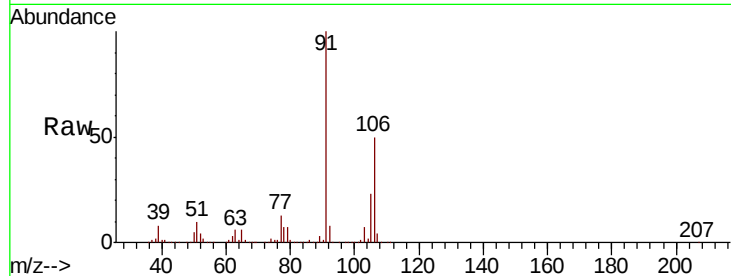
#68
m/p-Xylenes
Concen: 153.24 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampled :
FL-0519MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	680600		
91	91	201.3	162.3	243.5	

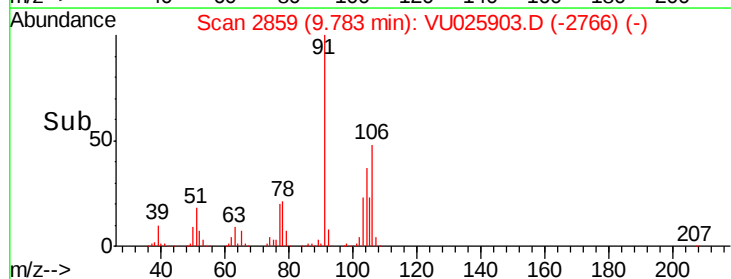
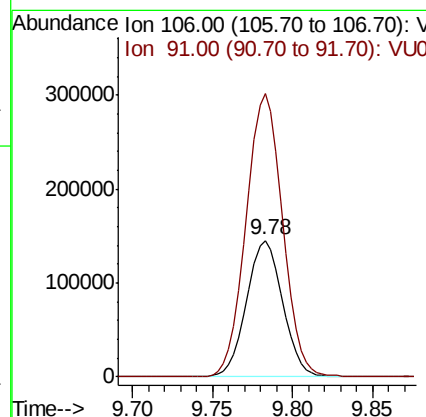
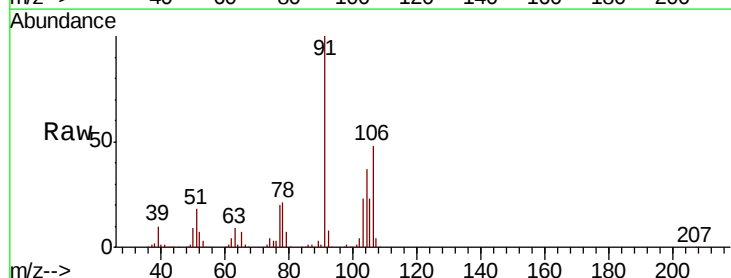
Manual Integrations
APPROVED

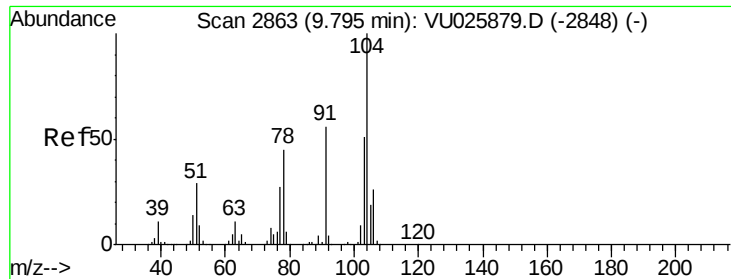
MMDadoda
8/7/2018 1:51:43 PM



#69
o-Xylene
Concen: 51.43 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	223240		
91	91	210.3	105.3	315.8	





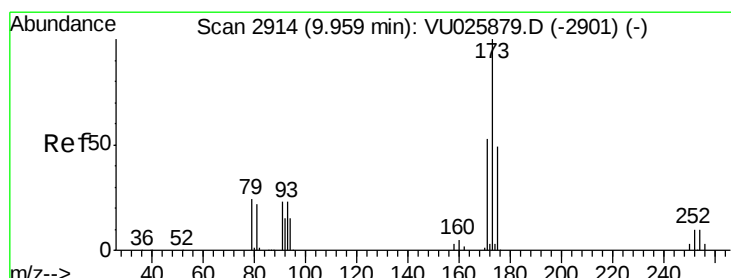
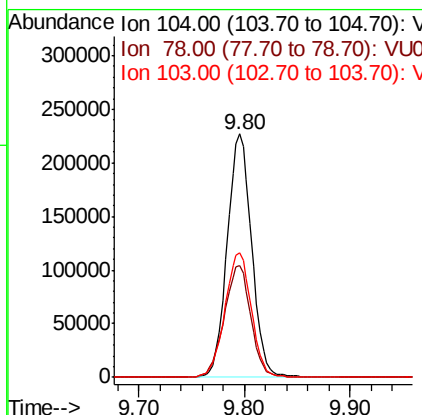
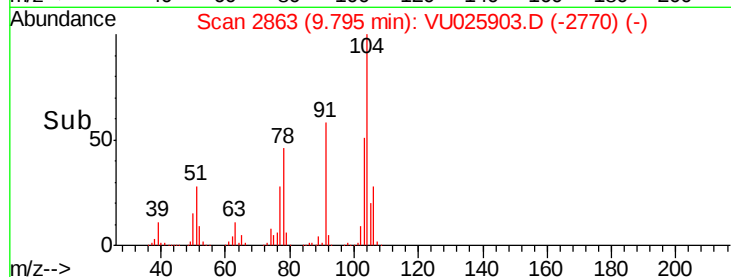
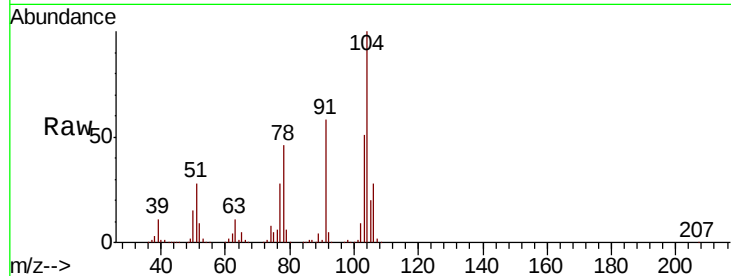
#70
Stvrene
Concen: 51.78 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	363045		
78	49.9		41.6	62.4
103	55.5		44.6	66.8

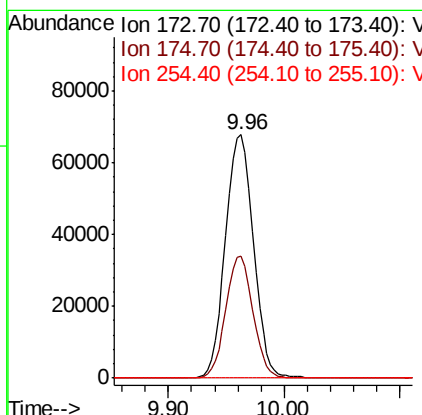
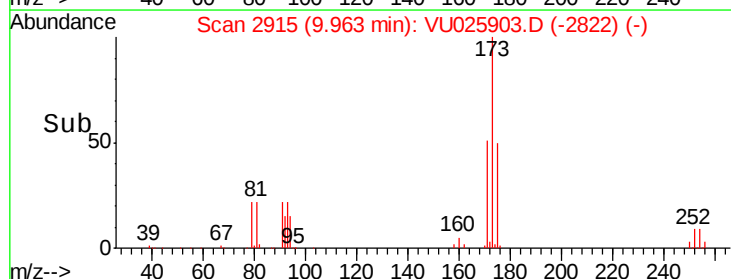
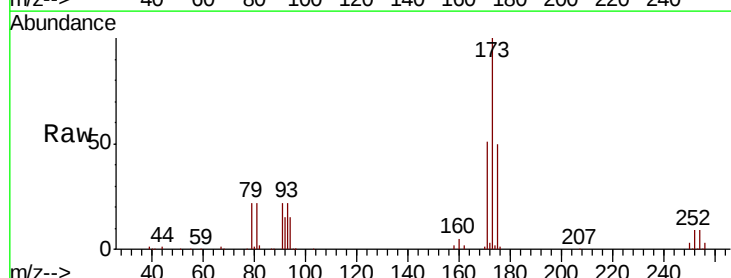
Manual Integrations
APPROVED

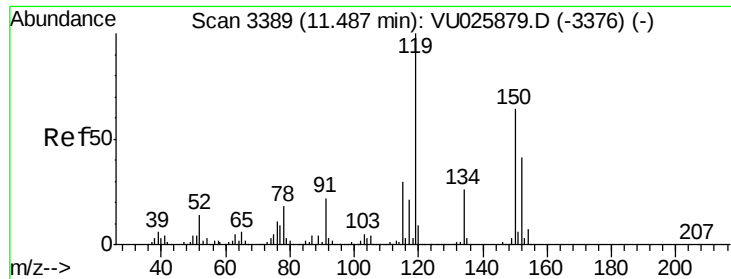
MMDadoda
8/7/2018 1:51:43 PM



#71
Bromoform
Concen: 51.87 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	113644		
175	48.4		24.0	72.0
254	0.1		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: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

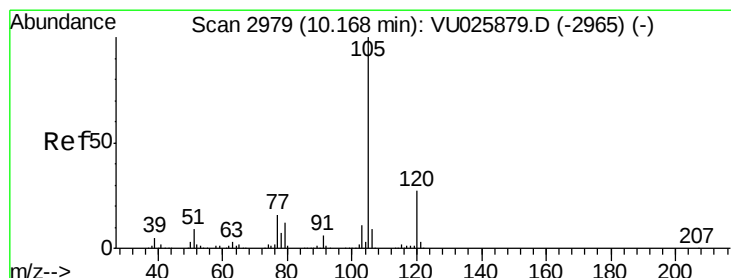
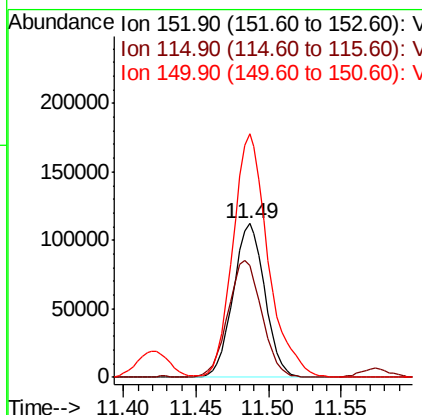
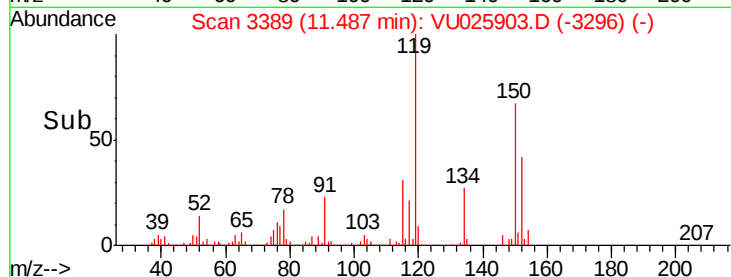
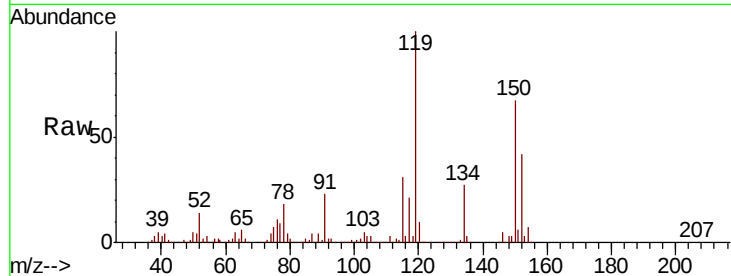
ClientSampleId :

FL-0519MS

Tot Ion:	152	Resp:	169841
Ion Ratio	Lower	Upper	
152	100		
115	80.4	40.1	120.3
150	175.6	0.0	351.4

Manual Integrations
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8/7/2018 1:51:43 PM



#73

Isopropylbenzene

Concen: 55.52 ug/l

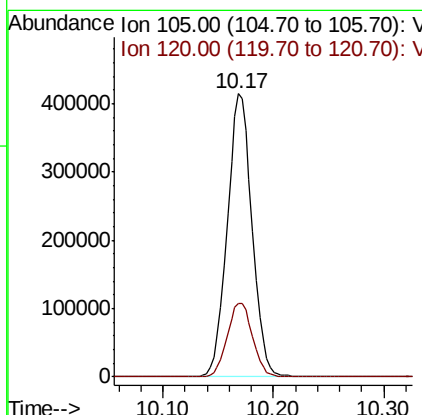
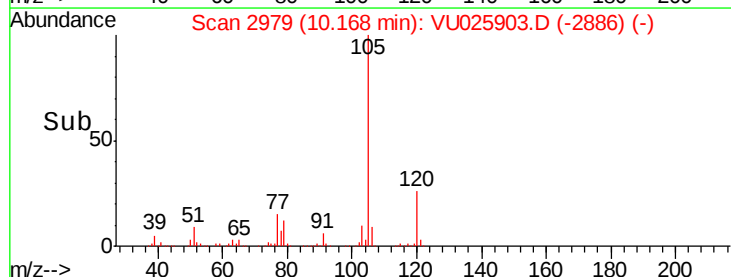
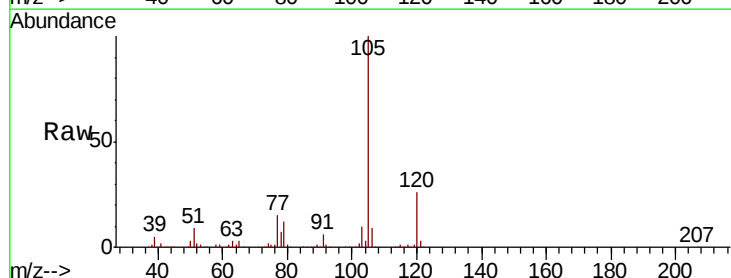
RT: 10.17 min Scan# 2979

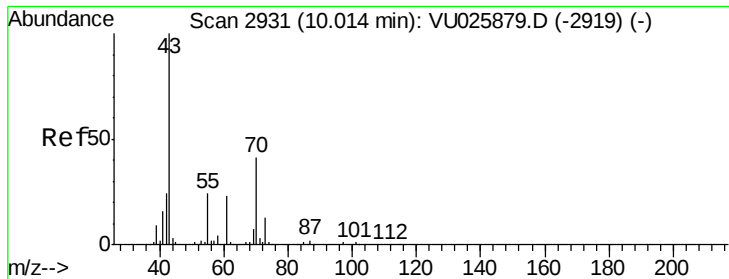
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion:	105	Resp:	643628
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.5	40.5





#74

N-amvl acetate

Concen: 51.28 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

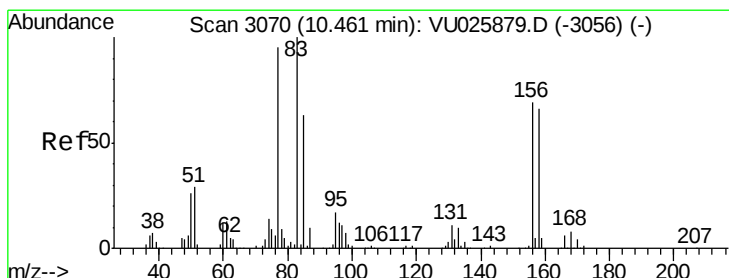
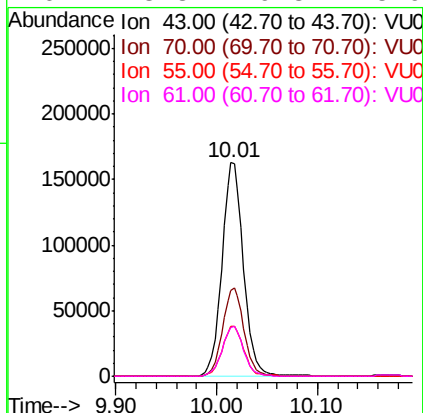
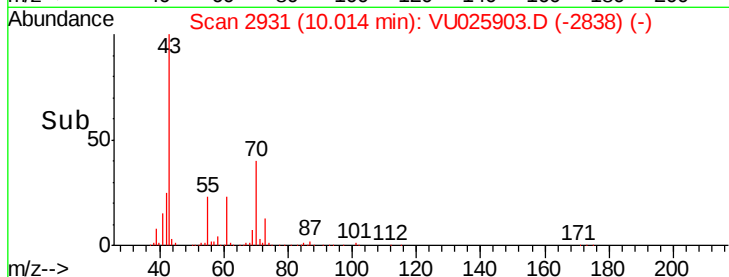
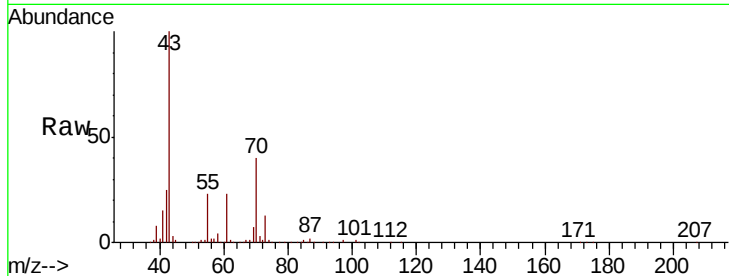
ClientSampled :

FL-0519MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	40.8	33.4	50.2
55	23.2	19.0	28.6
61	23.3	19.3	28.9

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.74 ug/l

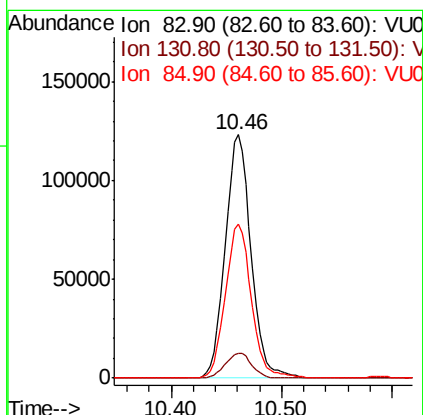
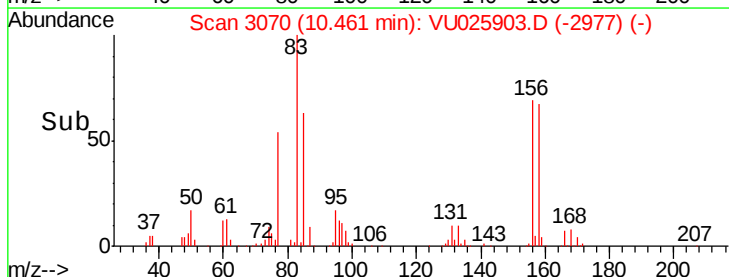
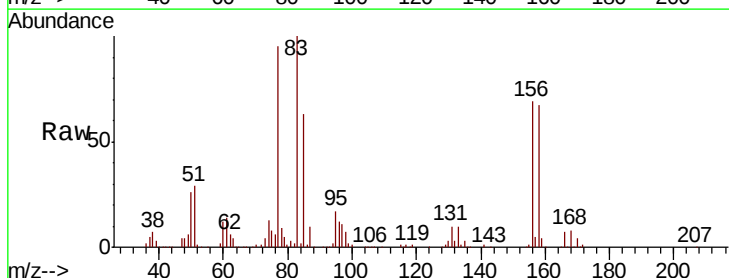
RT: 10.46 min Scan# 3070

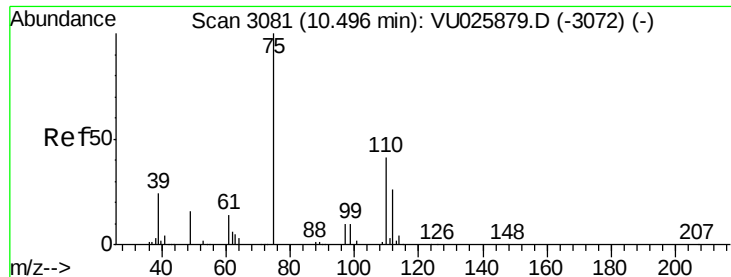
Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.5	16.4
85	63.9	31.6	94.8





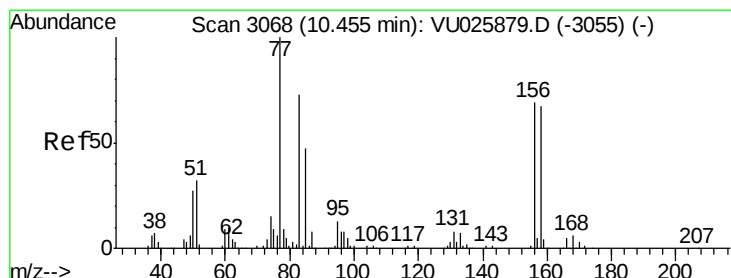
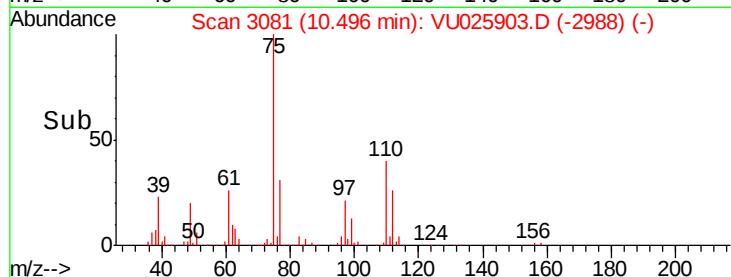
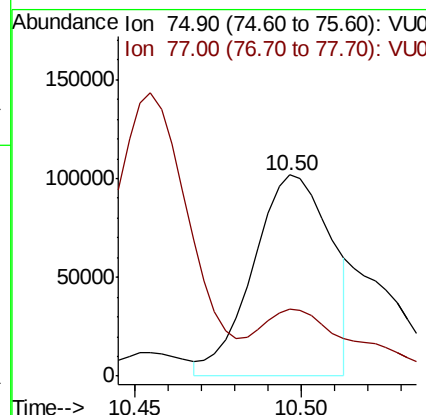
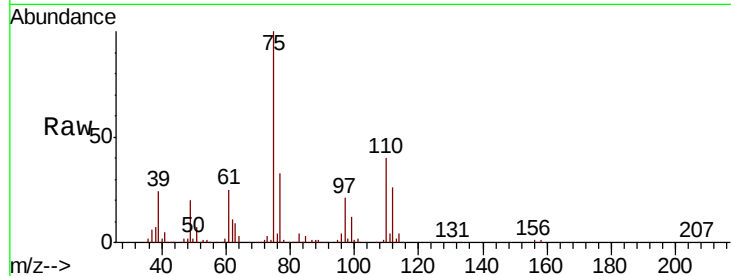
#76
 1,2,3-Trichloropropane
 Concen: 44.18 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MS

Tot Ion: 75 Resp: 165342
 Ion Ratio Lower Upper
 75 100
 77 40.0 20.4 61.3

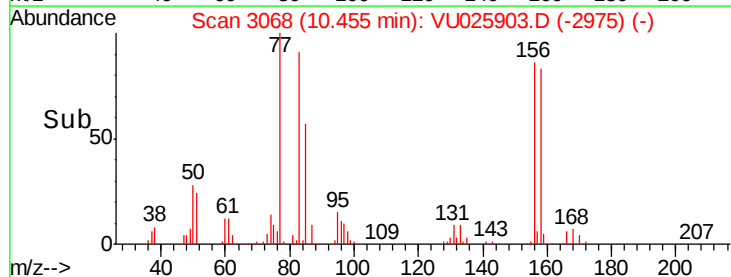
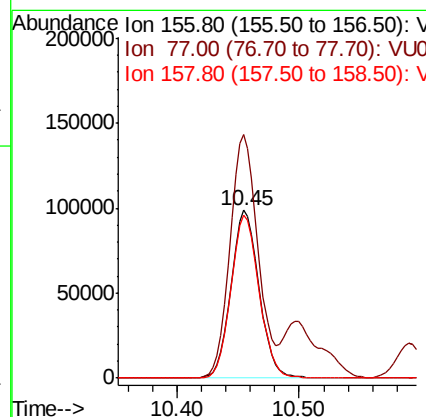
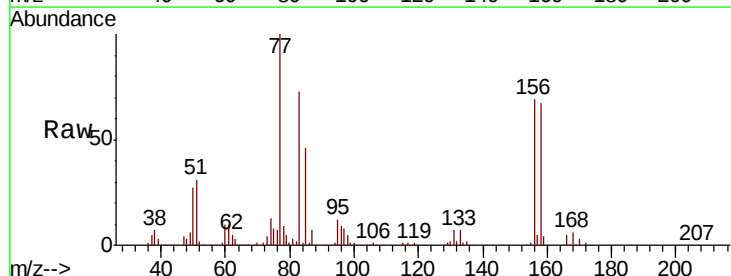
Manual Integrations
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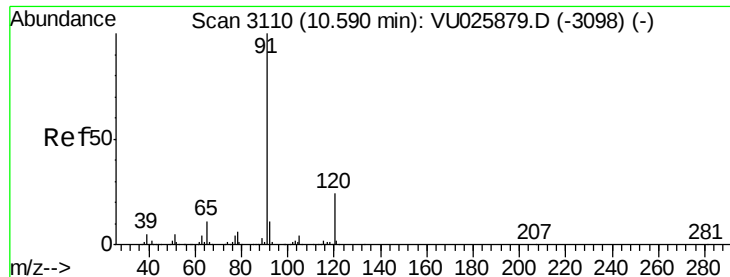
MMDadoda
 8/7/2018 1:51:43 PM



#77
 Bromobenzene
 Concen: 49.69 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion: 156 Resp: 158865
 Ion Ratio Lower Upper
 156 100
 77 144.7 73.8 221.4
 158 97.8 48.0 144.0





#78

n-propylbenzene

Concen: 58.40 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampled :

FL-0519MS

Tot Ion: 91 Resp: 790121

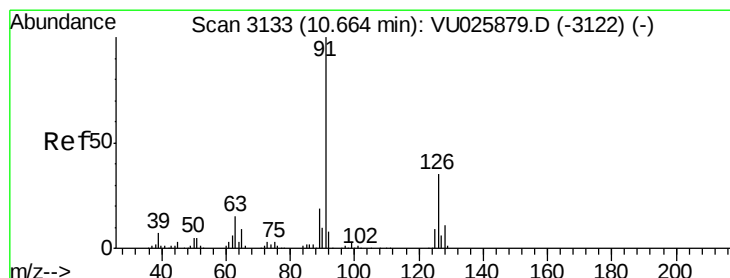
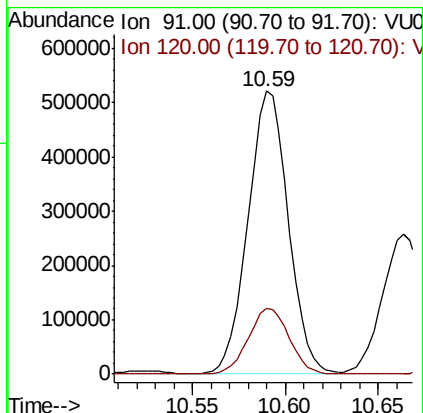
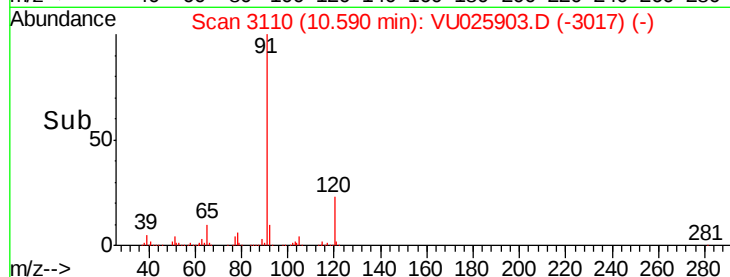
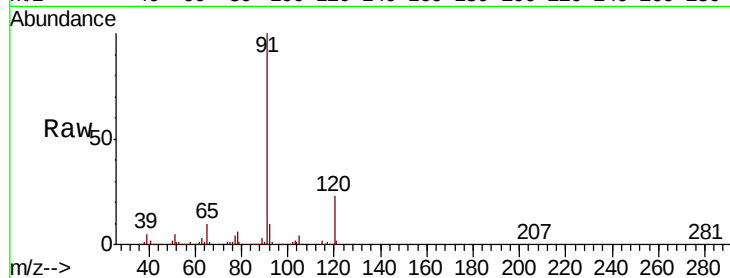
Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.3

Manual Integrations
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MMDadoda
8/7/2018 1:51:43 PM



#79

2-Chlorotoluene

Concen: 51.63 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025903.D

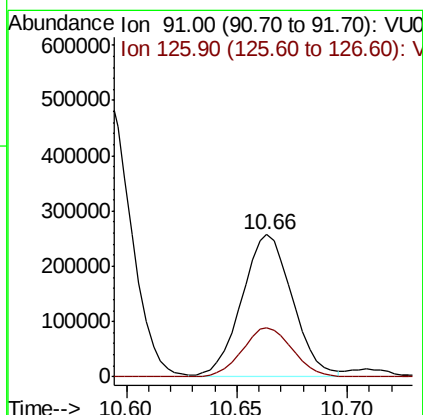
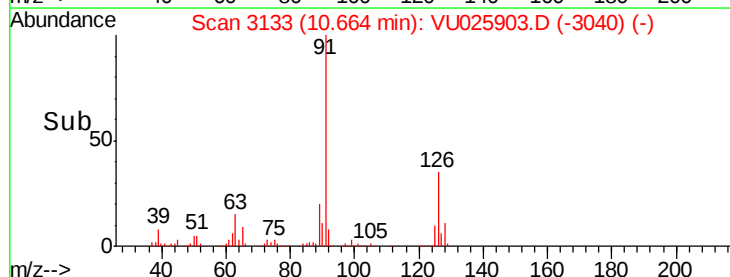
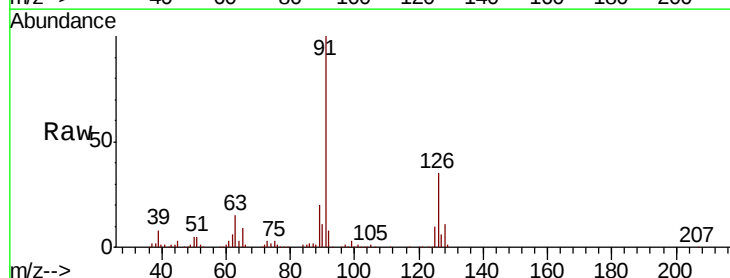
Acq: 06 Aug 2018 21:59

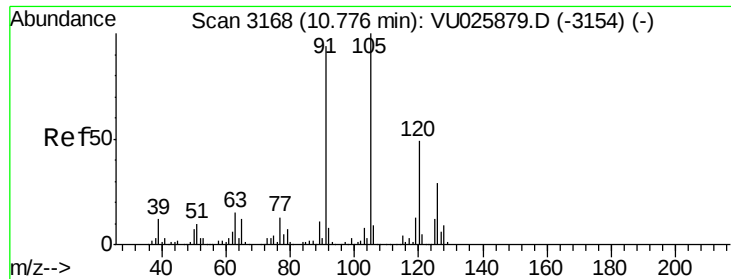
Tgt Ion: 91 Resp: 409164

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.6





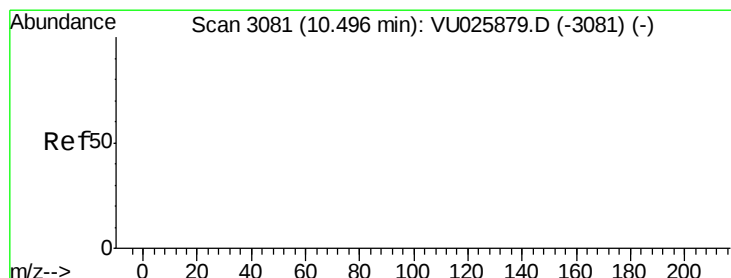
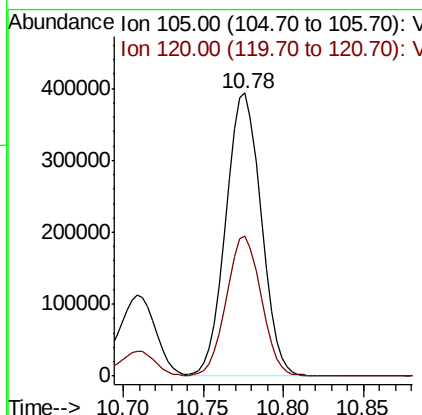
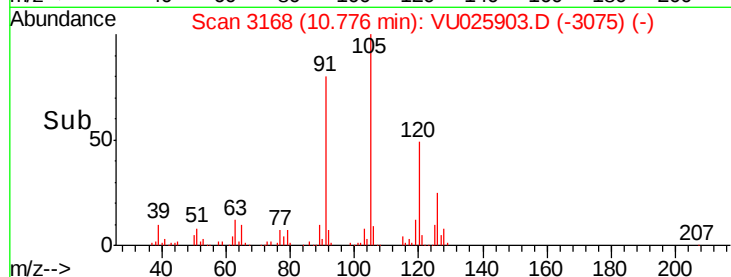
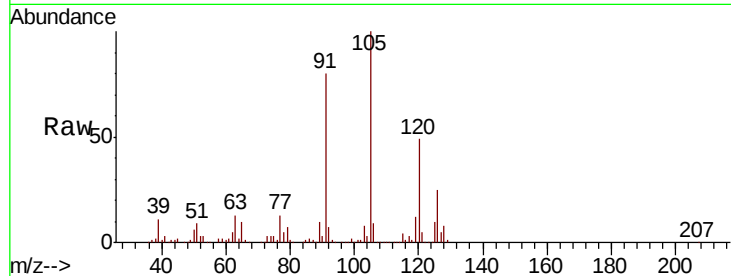
#80
 1,3,5-Trimethylbenzene
 Concen: 60.24 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	593033		
120	49.0	24.1	72.2	

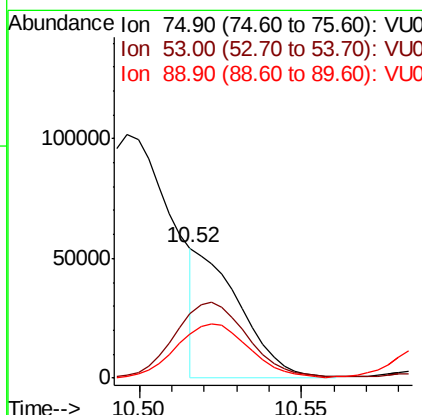
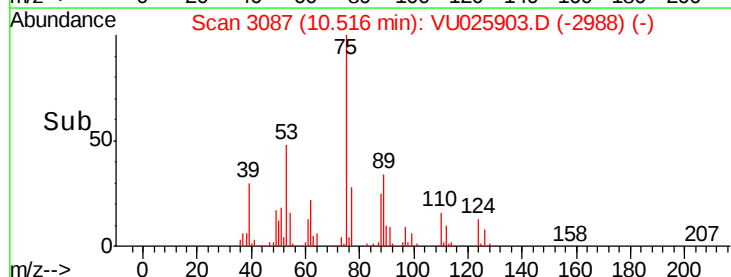
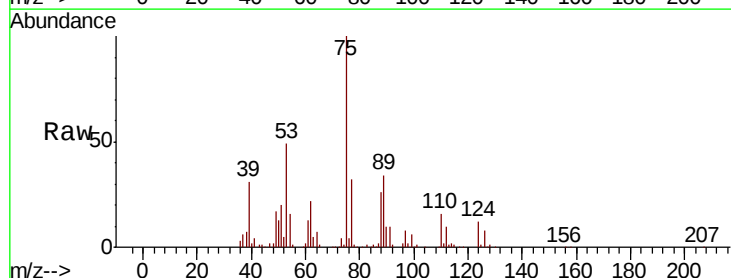
Manual Integrations
 APPROVED

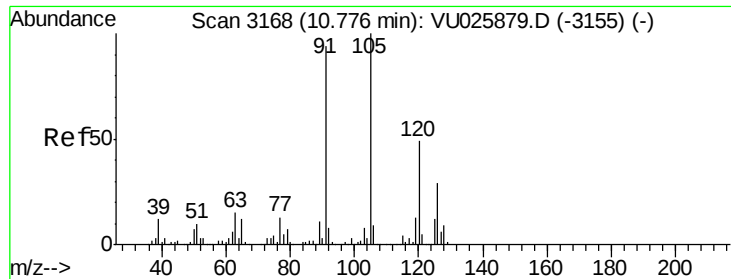
MMDadoda
 8/7/2018 1:51:43 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 34.15 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.02 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50964		
53	0.0	0.0	0.0	
89	0.0	0.0	0.0	





#82

4-Chlorotoluene

Concen: 52.60 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 91 Resp: 491394

Ion Ratio Lower Upper

91 100

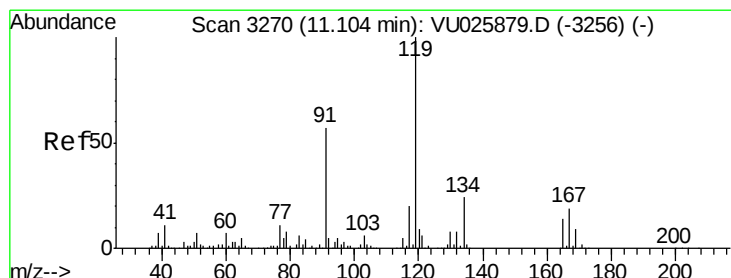
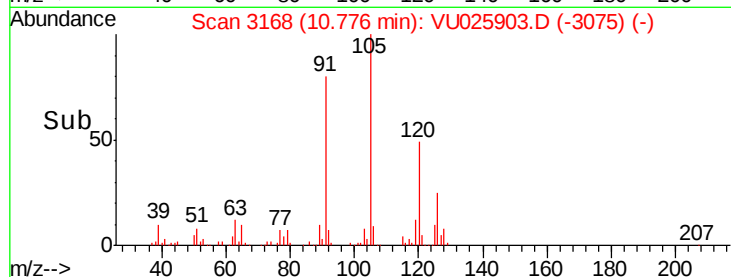
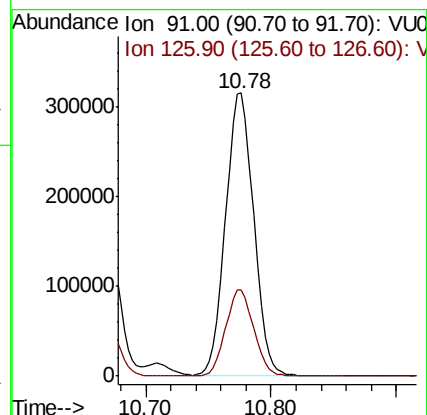
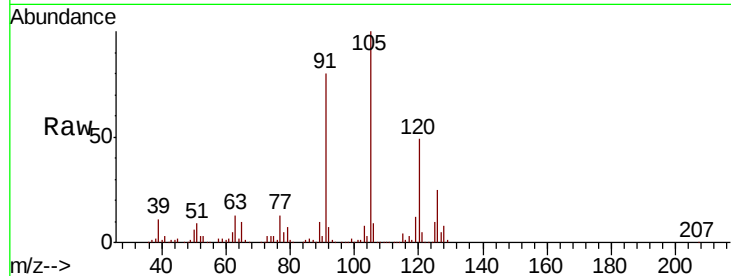
126 30.4 15.3 45.9

Manual Integrations

APPROVED

MMDadoda

8/7/2018 1:51:43 PM



#83

tert-Butylbenzene

Concen: 51.08 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

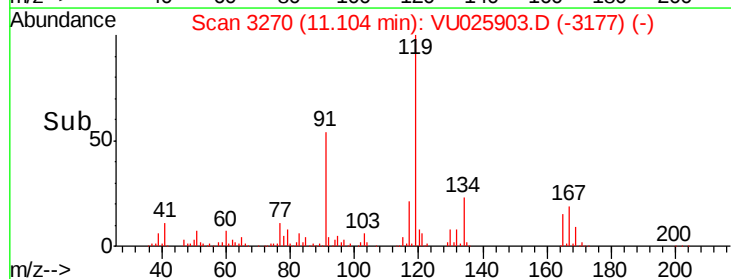
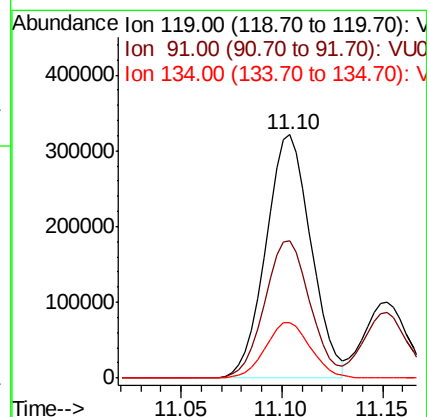
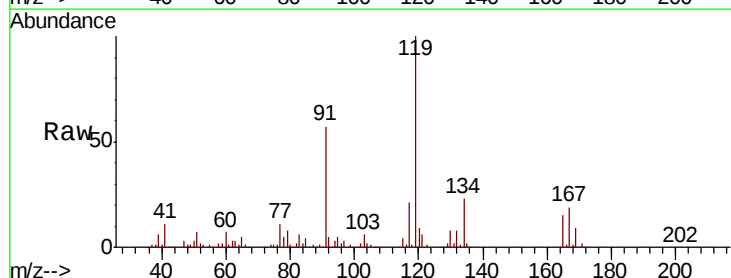
Tgt Ion: 119 Resp: 499594

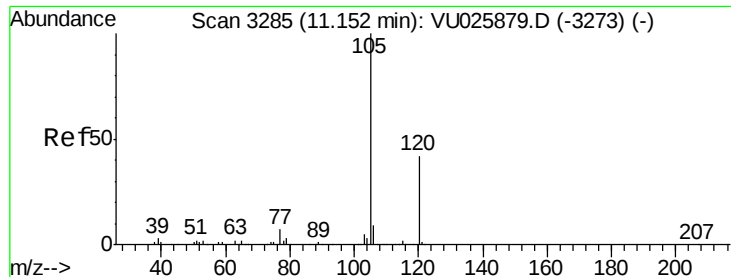
Ion Ratio Lower Upper

119 100

91 57.0 29.7 89.1

134 22.8 11.5 34.5





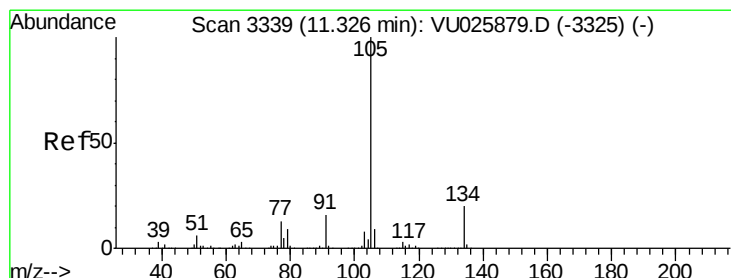
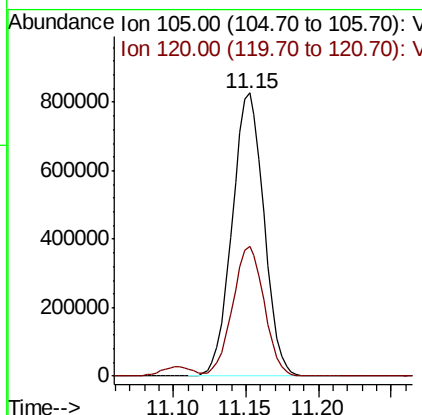
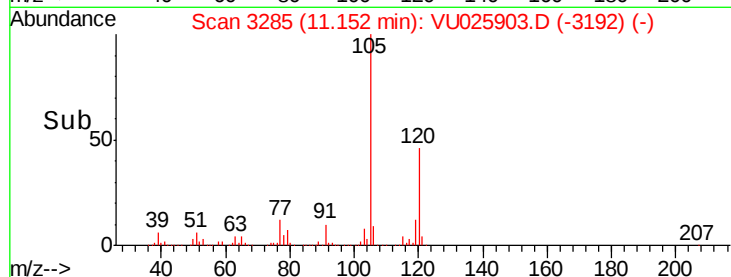
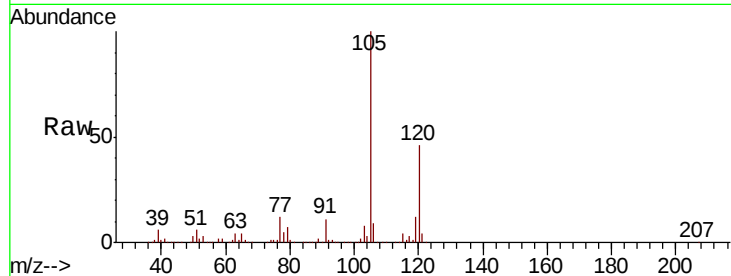
#84
 1,2,4-Trimethylbenzene
 Concen: 125.68 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MS

Tot Ion:105 Resp: 1253868
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.8

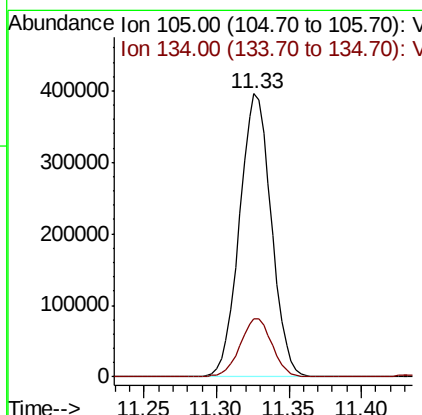
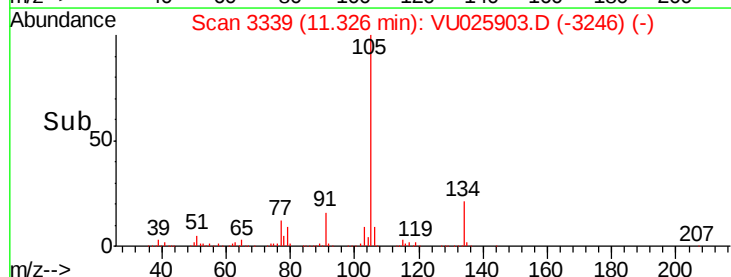
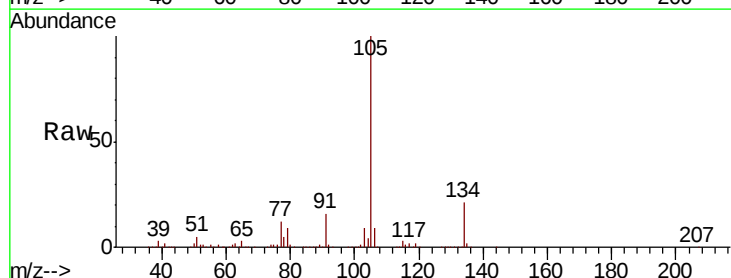
Manual Integrations
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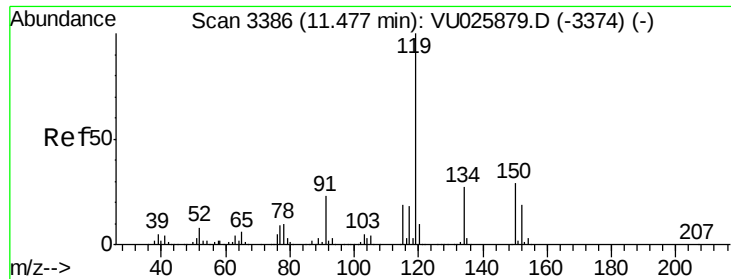
MMDadoda
 8/7/2018 1:51:43 PM



#85
 sec-Butylbenzene
 Concen: 50.51 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion:105 Resp: 603221
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8





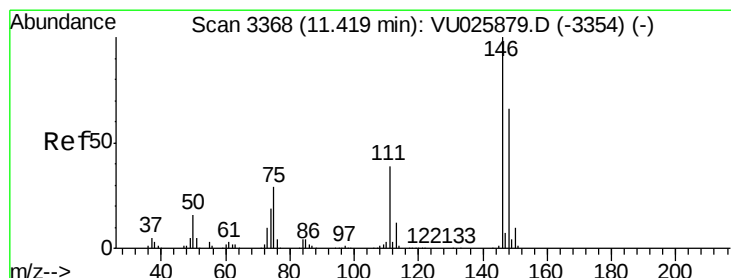
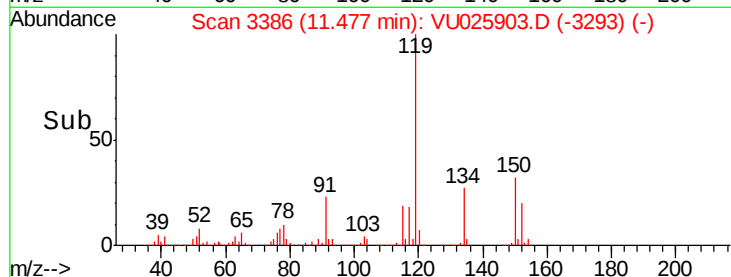
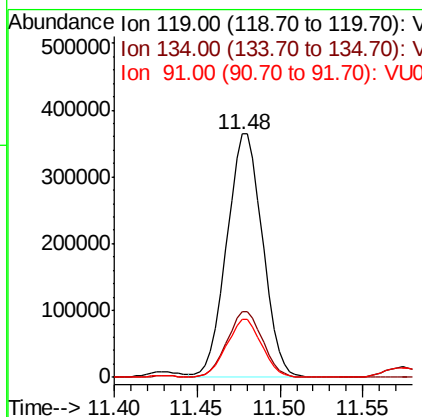
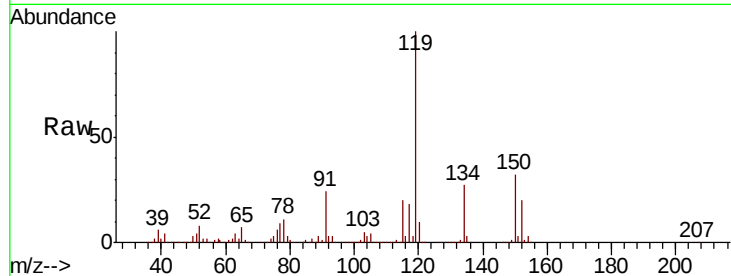
#86
 p-Isopropyltoluene
 Concen: 51.20 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	547536		
134	26.9	13.2	39.5	
91	23.5	12.0	36.1	

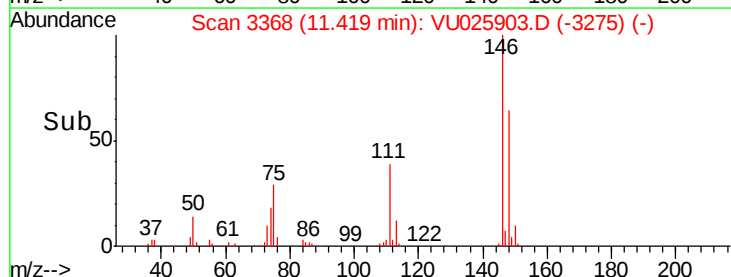
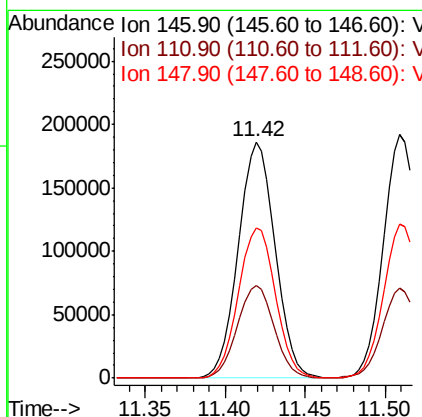
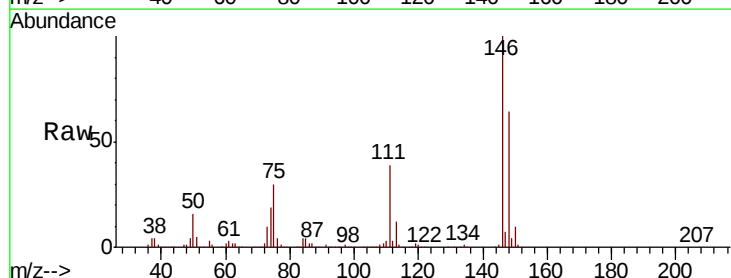
Manual Integrations
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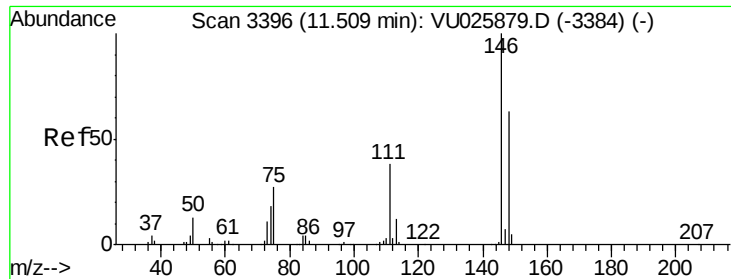
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 49.11 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	291474		
111	39.1	19.7	59.1	
148	64.3	32.1	96.3	





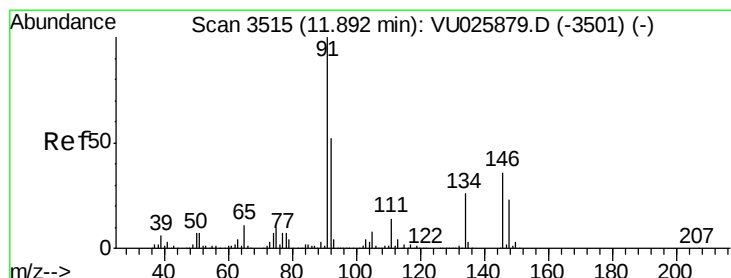
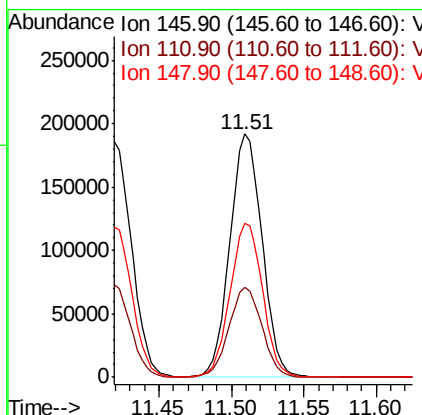
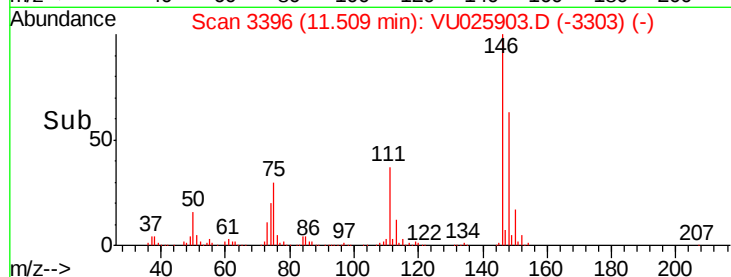
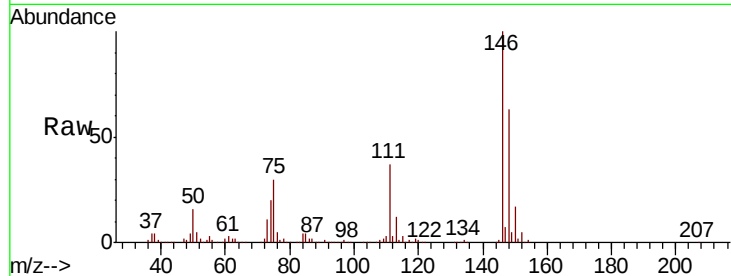
#88
 1,4-Dichlorobenzene
 Concen: 47.81 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0519MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	295782		
111	38.2		19.4	58.1
148	64.1		31.7	95.1

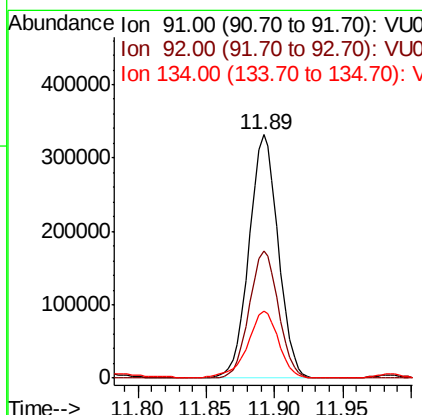
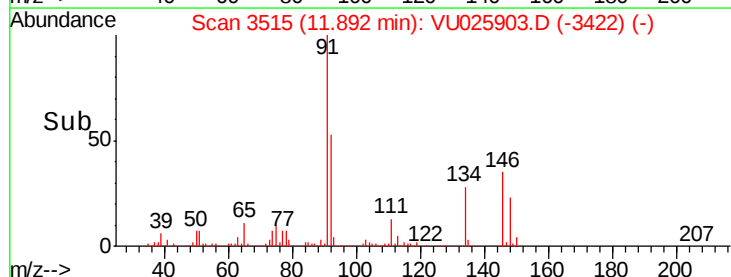
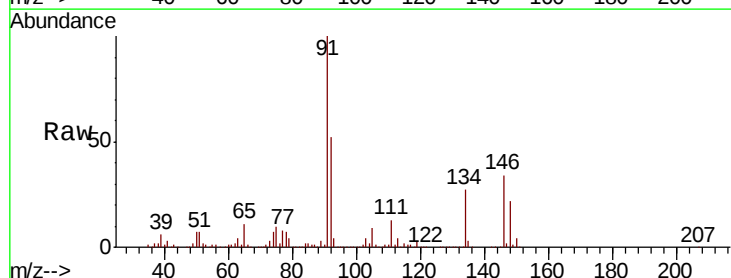
Manual Integrations
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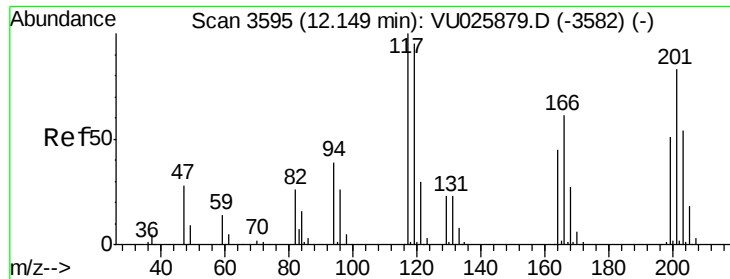
MMDadoda
 8/7/2018 1:51:43 PM



#89
 n-Butylbenzene
 Concen: 49.78 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	491257		
92	52.5		26.5	79.5
134	29.6		13.6	40.7





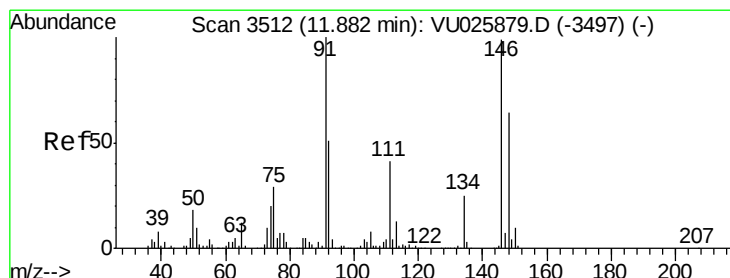
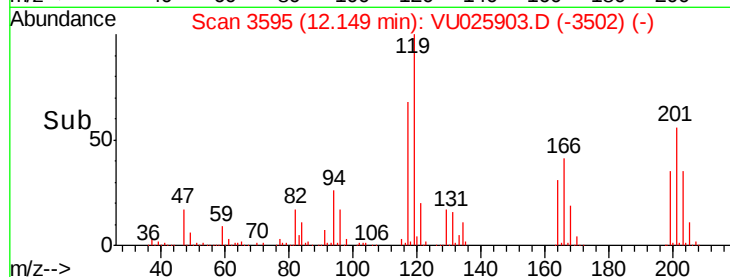
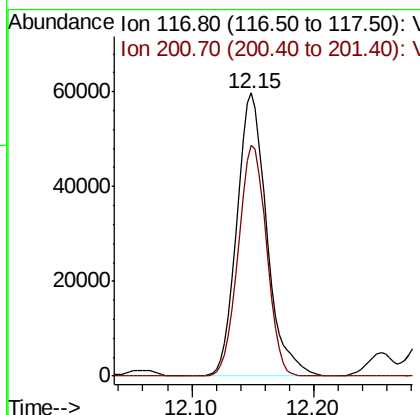
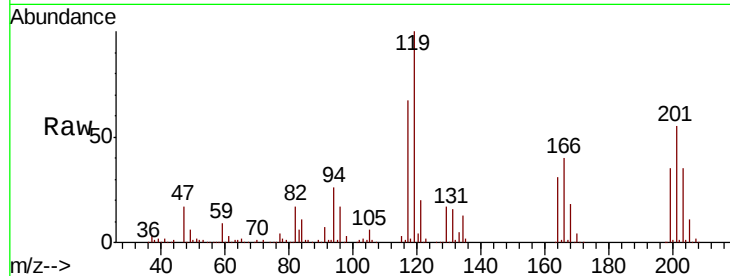
#90
Hexachloroethane
Concen: 53.35 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Instrument :
MSVOA_U
ClientSampleId :
FL-0519MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	76.4	42.5	127.6

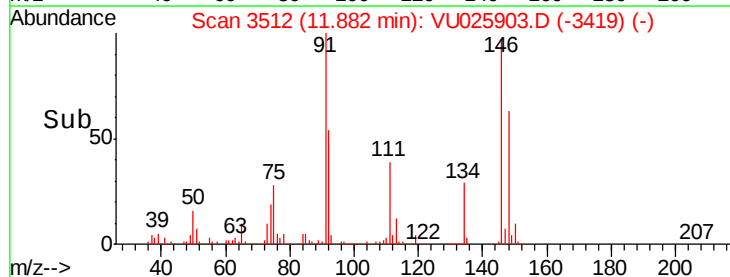
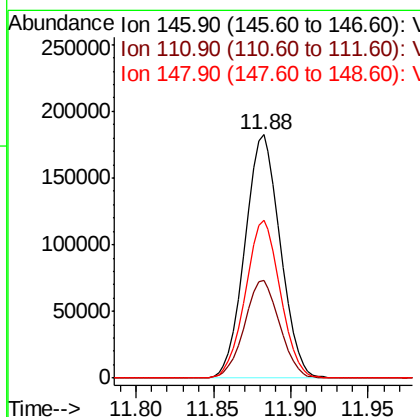
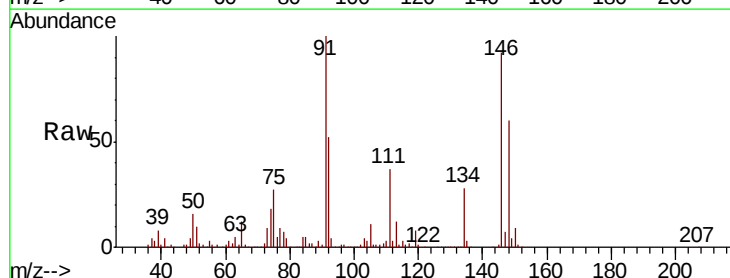
Manual Integrations
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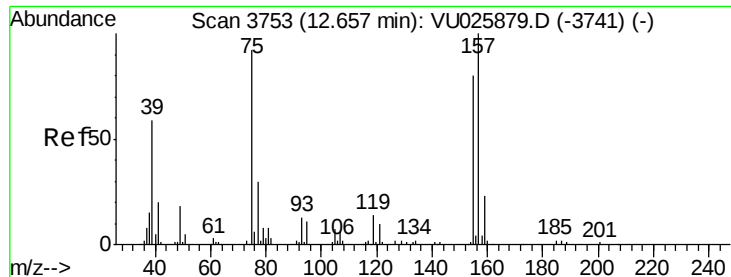
MMDadoda
8/7/2018 1:51:43 PM



#91
1,2-Dichlorobenzene
Concen: 50.01 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025903.D
Acq: 06 Aug 2018 21:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	64.0	31.5	94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.39 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

ClientSampleId :

FL-0519MS

Tot Ion: 75 Resp: 48837

Ion Ratio Lower Upper

75 100

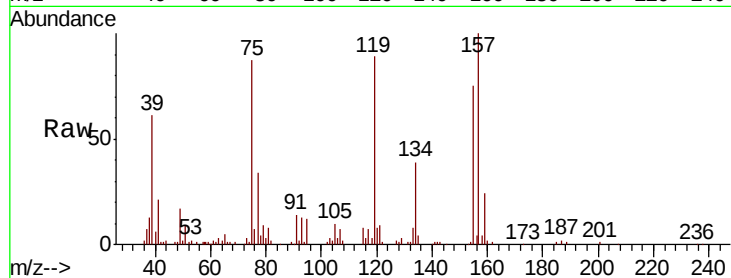
155 89.8 44.5 133.3

157 115.1 57.0 170.8

Manual Integrations
APPROVED

MMDadoda

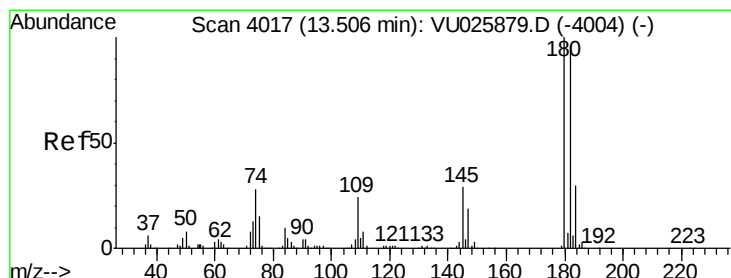
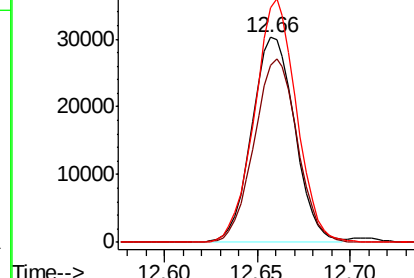
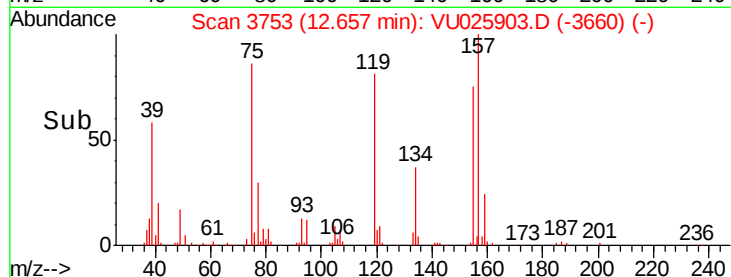
8/7/2018 1:51:43 PM



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: 52.31 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

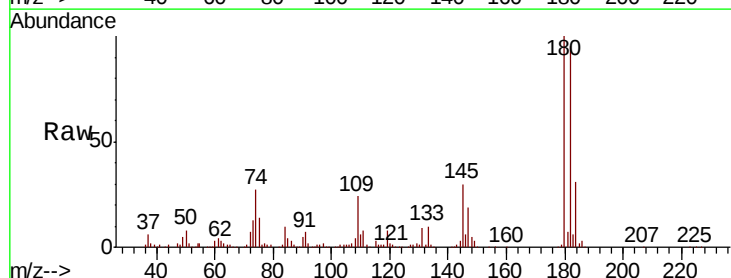
Tgt Ion: 180 Resp: 205370

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.9

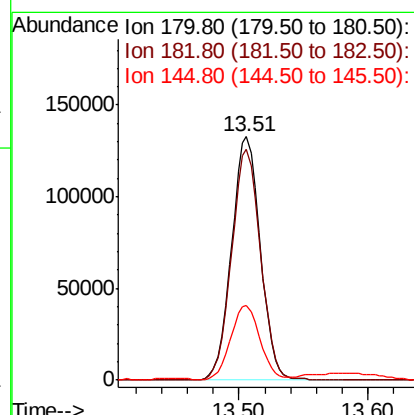
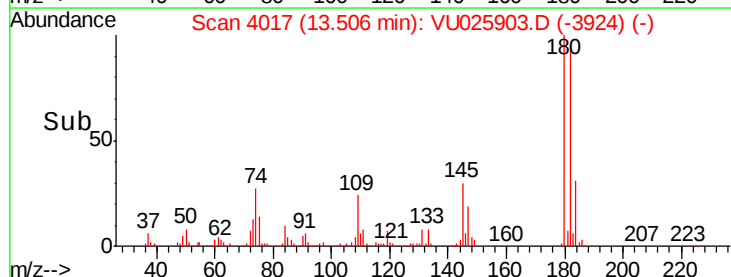
145 30.6 14.9 44.7

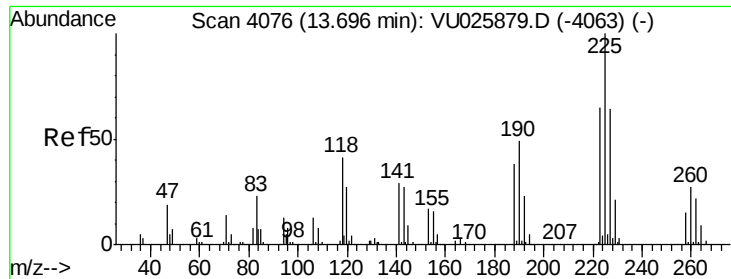


Abundance Ion 179.80 (179.50 to 180.50): VU025879.D (-4004) (-)

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: 42.18 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025903.D

Acq: 06 Aug 2018 21:59

Instrument :

MSVOA_U

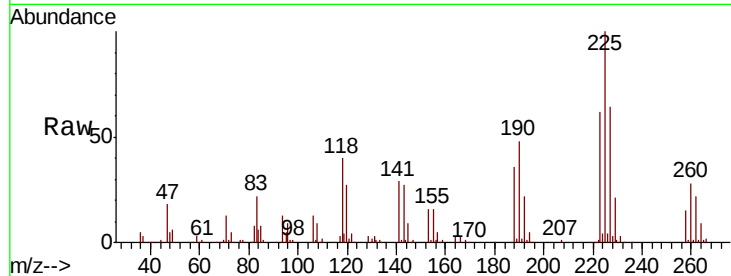
ClientSampleId :

FL-0519MS

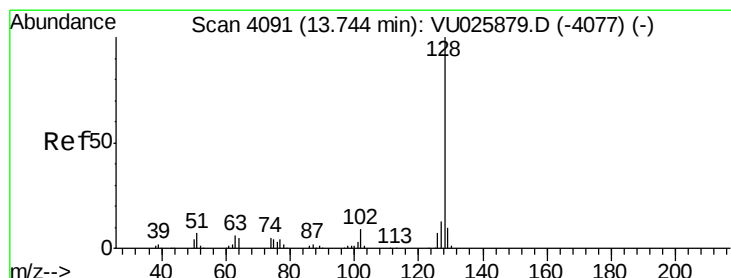
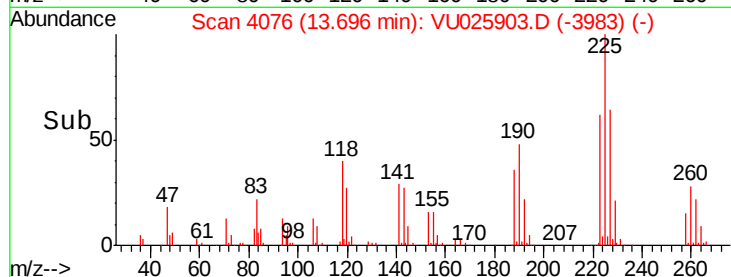
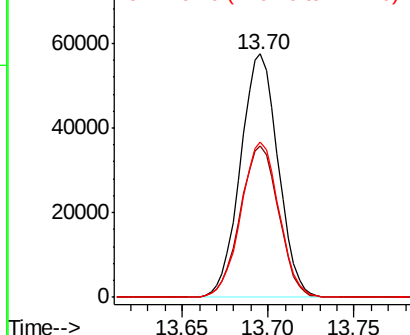
Tot Ion:	225	Resp:	87289
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.9	95.7
227	64.4	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:43 PM



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: 56.42 ug/l

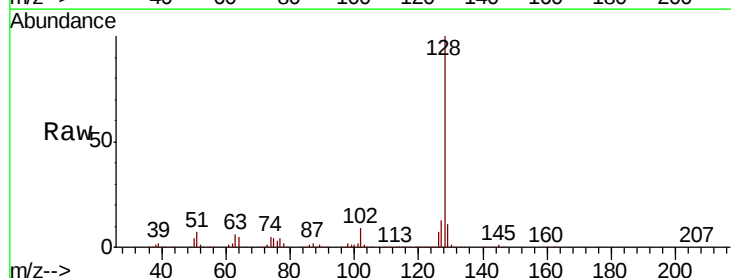
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

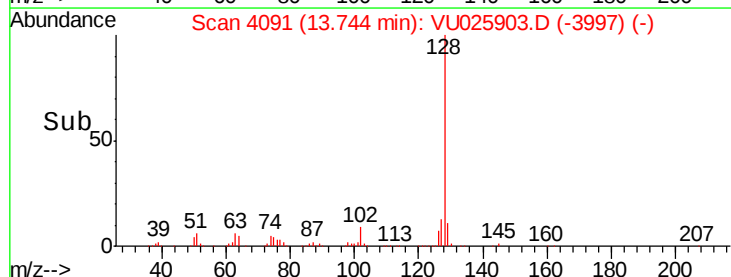
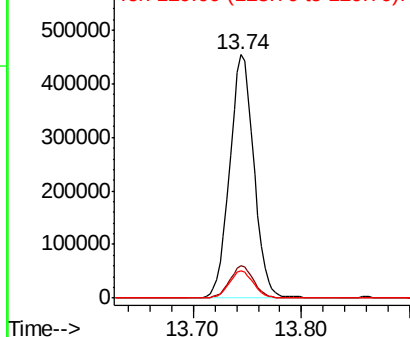
Lab File: VU025903.D

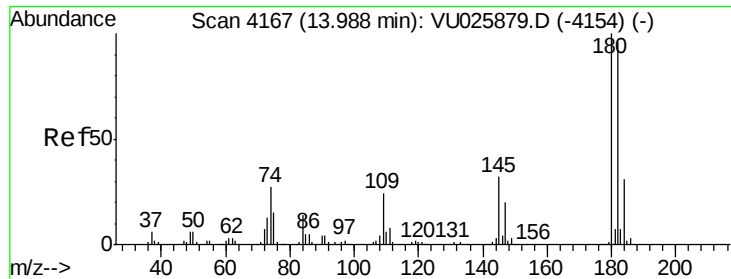
Acq: 06 Aug 2018 21:59

Tgt Ion:	128	Resp:	713627
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.2	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: 51.80 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025903.D
 Acq: 06 Aug 2018 21:59

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0519MS

Tot Ion:	180	Resp:	202872
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.8	143.3
145	37.3	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:43 PM

