

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025879.D
 Acq On : 06 Aug 2018 11:53
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:34 PM

Quant Time: Aug 07 03:58:10 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	166780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	239041	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157110	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	129800	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	4.89	113	106557	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	7.57	98	381668	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	10.31	95	145917	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102326	40.59	ug/l	99
3) Chloromethane	1.33	50	101985	42.33	ug/l	99
4) Vinyl Chloride	1.40	62	107660	47.48	ug/l	99
5) Bromomethane	1.62	94	58697	53.00	ug/l	100
6) Chloroethane	1.69	64	67679	51.05	ug/l	100
7) Trichlorofluoromethane	1.88	101	163360	49.83	ug/l	100
8) Diethyl Ether	2.10	74	57386	48.38	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	102376	53.96	ug/l	98
10) Methyl Iodide	2.41	142	71558	42.08	ug/l	99
11) Tert butyl alcohol	2.83	59	133723	235.04	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91624	51.17	ug/l	96
13) Acrolein	2.19	56	35451	171.42	ug/l	99
14) Allyl chloride	2.59	41	157021	48.79	ug/l	99
15) Acrylonitrile	2.93	53	294088	258.90	ug/l	98
16) Acetone	2.32	43	407896	321.96	ug/l	98
17) Carbon Disulfide	2.48	76	286026	49.35	ug/l	99
18) Methyl Acetate	2.62	43	144012	47.23	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	341759	52.66	ug/l	99
20) Methylene Chloride	2.70	84	112438	50.08	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	105343	50.89	ug/l	98
22) Diisopropyl ether	3.57	45	337623	53.24	ug/l	94
23) Vinyl Acetate	3.53	43	1457711	263.77	ug/l	99
24) 1,1-Dichloroethane	3.45	63	198921	52.26	ug/l	99
25) 2-Butanone	4.26	43	550595	319.25	ug/l	100
26) 2,2-Dichloropropane	4.23	77	186445	53.89	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	117378	50.29	ug/l	99
28) Bromochloromethane	4.55	49	88149	51.79	ug/l	96
29) Tetrahydrofuran	4.64	42	261968	253.54	ug/l	99
30) Chloroform	4.68	83	207893	51.74	ug/l	98
31) Cyclohexane	5.00	56	169447	51.20	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	187695	51.88	ug/l	98
36) 1,1-Dichloropropene	5.14	75	152032	54.42	ug/l	100
37) Ethyl Acetate	4.38	43	158488	54.71	ug/l	99
38) Carbon Tetrachloride	5.14	117	174891	55.27	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	173977	54.35	ug/l	99
40) Benzene	5.39	78	434273	53.18	ug/l	99
41) Methacrylonitrile	4.54	41	82968	51.57	ug/l	97
42) 1,2-Dichloroethane	5.41	62	170258	54.15	ug/l	100
43) Isopropyl Acetate	5.55	43	251372	52.52	ug/l	100
44) Trichloroethene	6.19	130	121893	53.60	ug/l	98
45) 1,2-Dichloropropane	6.44	63	115437	54.20	ug/l	99
46) Dibromomethane	6.56	93	82061	53.18	ug/l	98
47) Bromodichloromethane	6.76	83	164535	55.90	ug/l	98
48) Methyl methacrylate	6.63	41	125117	53.33	ug/l	99
49) 1,4-Dioxane	6.62	88	60017	1051.28	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1000425	333.84	ug/l	99
52) Toluene	7.64	92	280639	55.32	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	187036	56.59	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	191556	56.42	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	115063	54.58	ug/l	99
56) Ethyl methacrylate	8.02	69	162209	53.85	ug/l	98
57) 1,3-Dichloropropane	8.25	76	193838	54.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	318939	234.28	ug/l	100
59) 2-Hexanone	8.36	43	797640	339.55	ug/l	99
60) Dibromochloromethane	8.48	129	137258	55.21	ug/l	99
61) 1,2-Dibromoethane	8.59	107	126782	54.07	ug/l	100
64) Tetrachloroethene	8.23	164	111917	53.73	ug/l	99
65) Chlorobenzene	9.12	112	319627	52.39	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	120703	54.69	ug/l	99
67) Ethyl Benzene	9.25	91	538904	53.32	ug/l	100
68) m/p-Xylenes	9.38	106	436385	112.47	ug/l	98
69) o-Xylene	9.78	106	203638	53.70	ug/l	97
70) Styrene	9.80	104	343673	56.11	ug/l	98
71) Bromoform	9.96	173	106629	55.71	ug/l #	98
73) Isopropylbenzene	10.17	105	556835	51.93	ug/l	100
74) N-amyl acetate	10.01	43	229216	52.36	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	187895	50.67	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	158704m	45.85	ug/l	
77) Bromobenzene	10.45	156	150560	50.90	ug/l	98
78) n-propylbenzene	10.59	91	667001	53.29	ug/l	100
79) 2-Chlorotoluene	10.66	91	392046	53.48	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	487981	53.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	64361m	46.62	ug/l	
82) 4-Chlorotoluene	10.78	91	465341	53.85	ug/l	99
83) tert-Butylbenzene	11.10	119	464365	51.32	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	498135	53.98	ug/l	98
85) sec-Butylbenzene	11.33	105	583437	52.81	ug/l	100
86) p-Isopropyltoluene	11.48	119	529879	53.57	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	284025	51.73	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	290649	50.79	ug/l	99
89) n-Butylbenzene	11.89	91	475813	52.13	ug/l	99
90) Hexachloroethane	12.15	117	92544	52.62	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	278170	51.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	44974	51.16	ug/l	98

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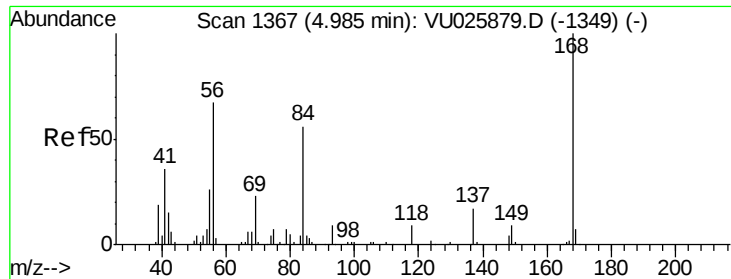
Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:34 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	188240	51.83	ug/l	98
94) Hexachlorobutadiene	13.70	225	90434	47.24	ug/l	100
95) Naphthalene	13.74	128	534602	45.93	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	185980	51.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 166780

Ion Ratio Lower Upper

168 100

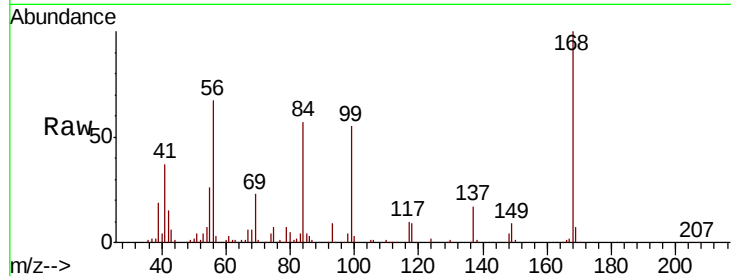
99 55.0 42.8 64.2

Manual Integrations

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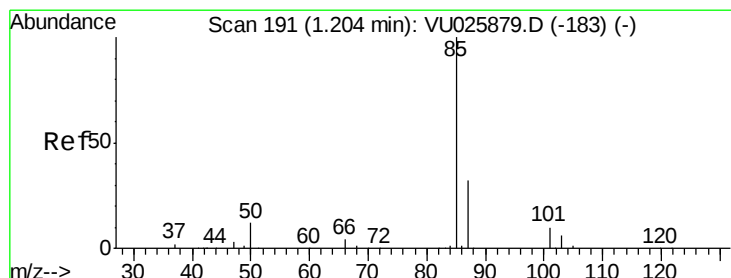
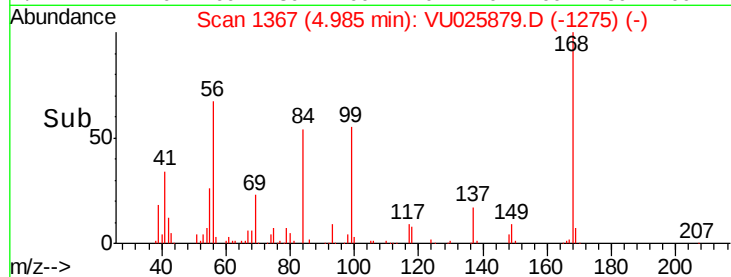
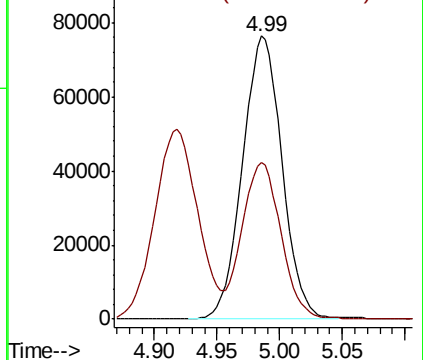
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Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#2

Dichlorodifluoromethane

Concen: 40.59 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025879.D

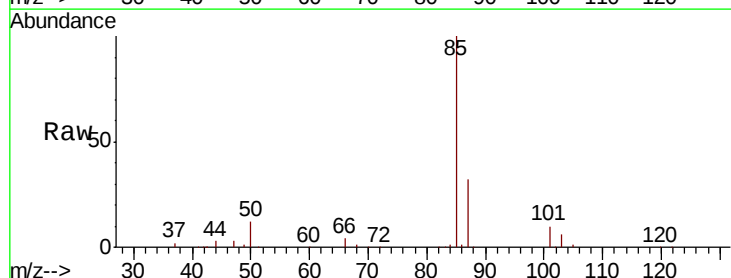
Acq: 06 Aug 2018 11:53

Tgt Ion: 85 Resp: 102326

Ion Ratio Lower Upper

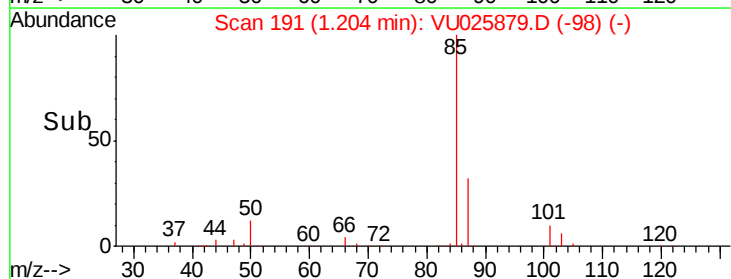
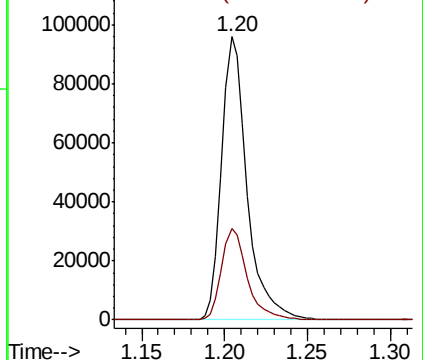
85 100

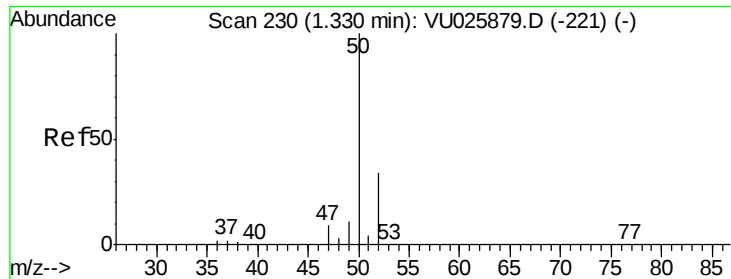
87 32.4 16.5 49.5



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

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





#3

Chloromethane

Concen: 42.33 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 101985

Ion Ratio Lower Upper

50 100

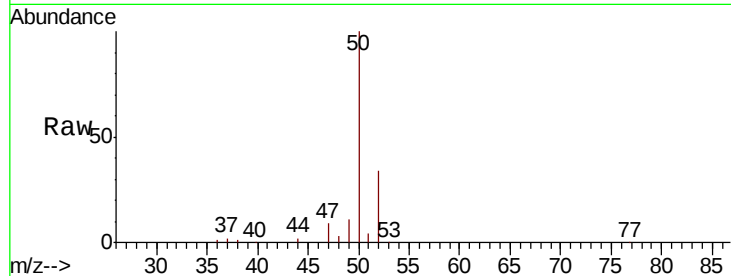
52 33.5 26.5 39.7

Manual Integrations

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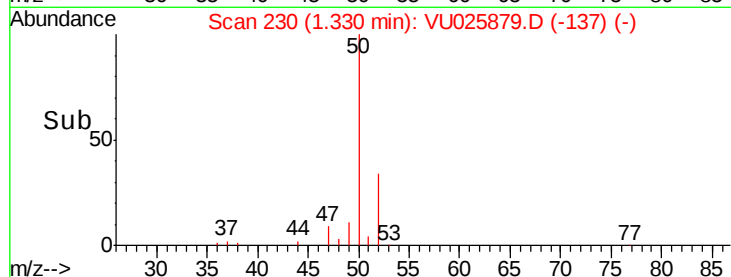
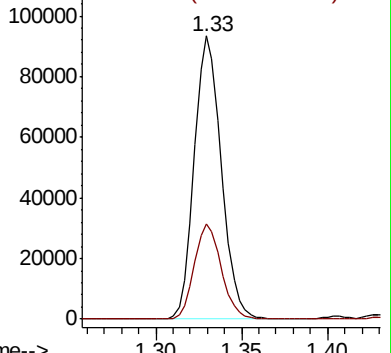
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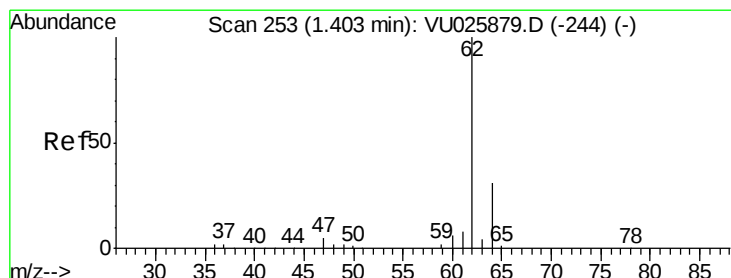


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 47.48 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025879.D

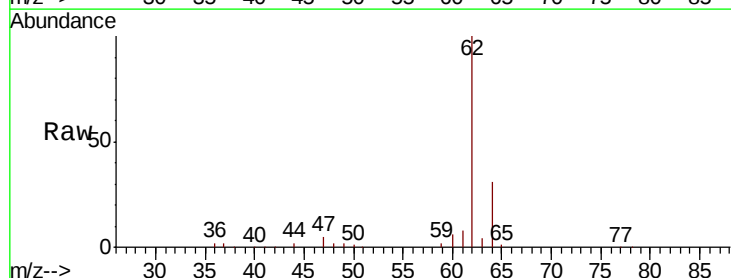
Acq: 06 Aug 2018 11:53

Tgt Ion: 62 Resp: 107660

Ion Ratio Lower Upper

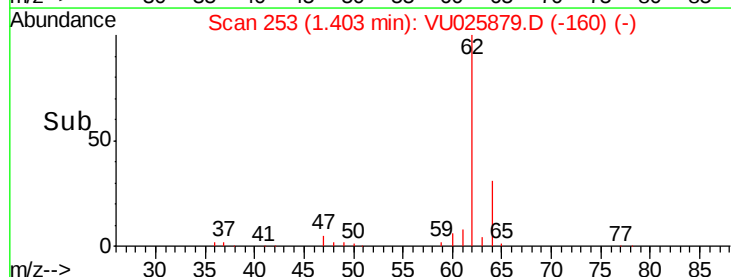
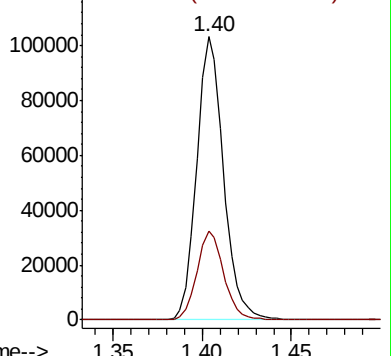
62 100

64 31.3 25.4 38.0

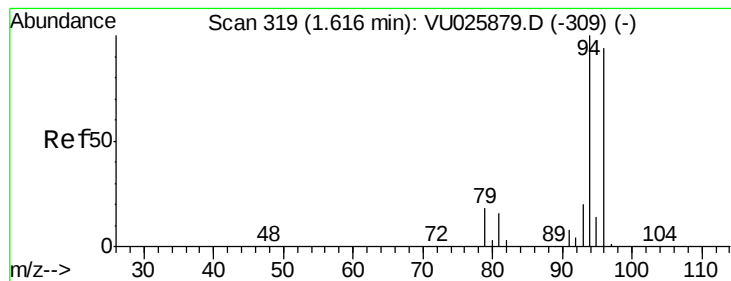


Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->



#5

Bromomethane

Concen: 53.00 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58697

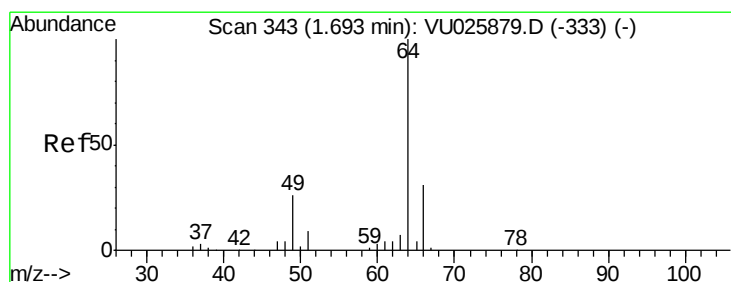
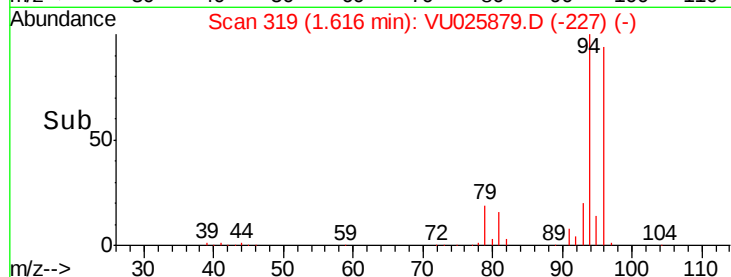
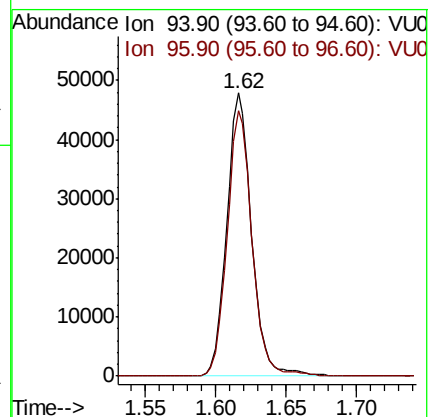
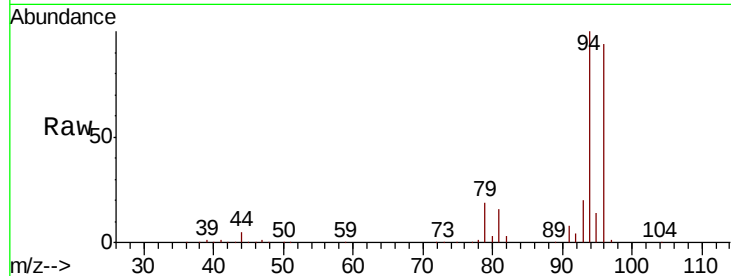
Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 51.05 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025879.D

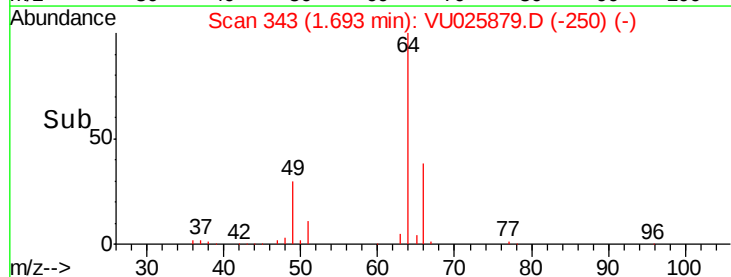
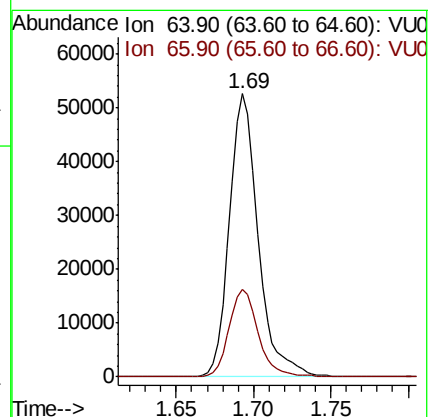
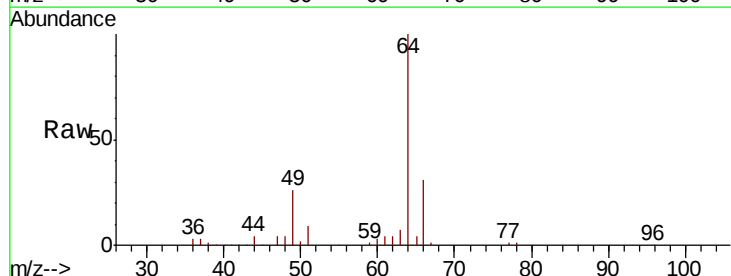
Acq: 06 Aug 2018 11:53

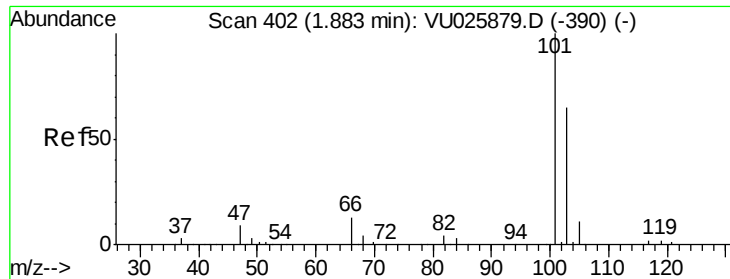
Tgt Ion: 64 Resp: 67679

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4





#7

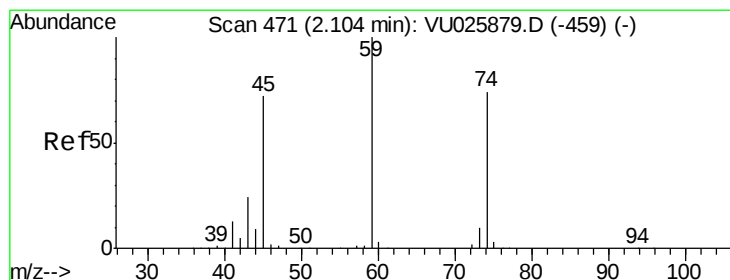
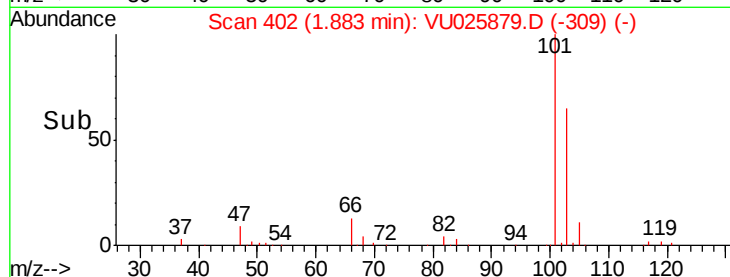
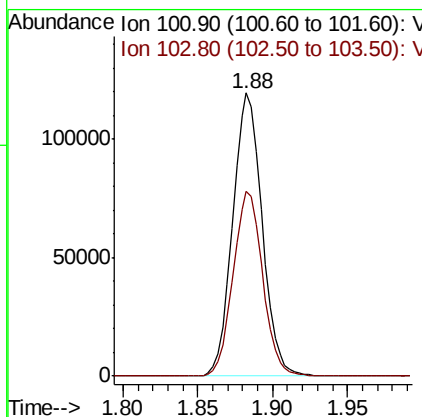
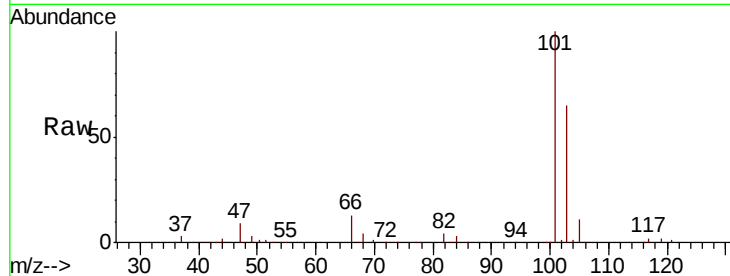
Trichlorofluoromethane
 Concen: 49.83 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

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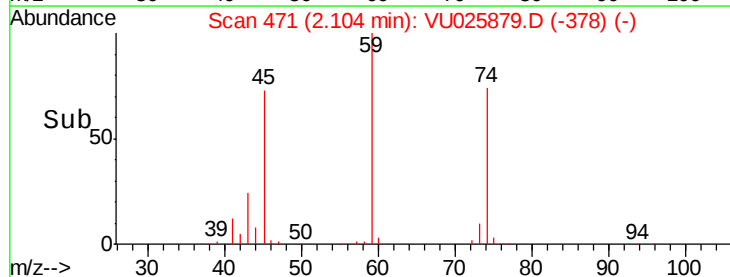
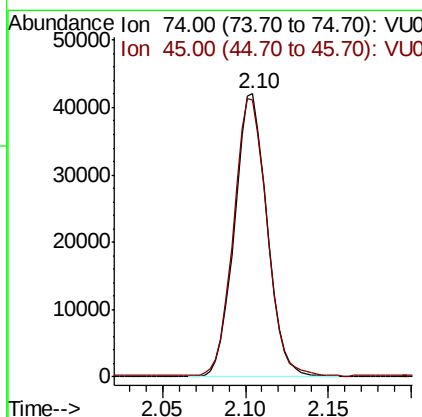
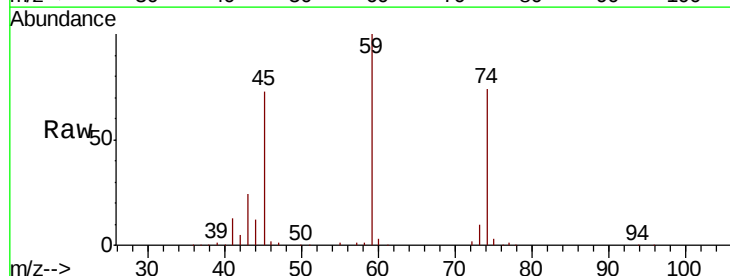
MMDadoda
 8/7/2018 1:51:34 PM

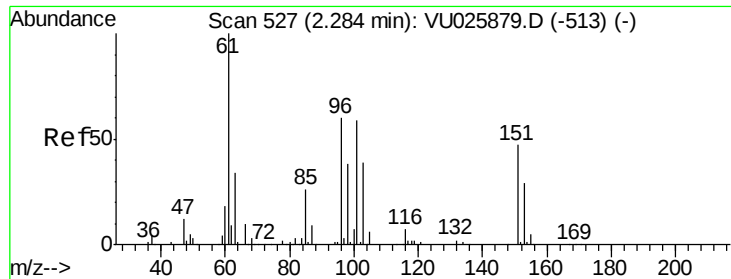


#8

Diethyl Ether
 Concen: 48.38 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.96 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

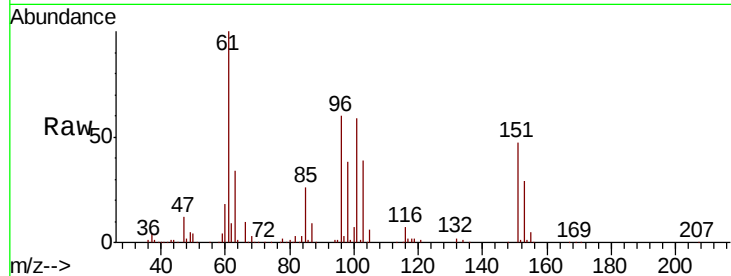
ClientSampleId :

VSTDCCC050

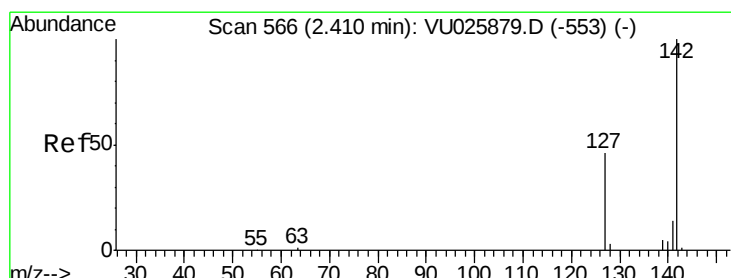
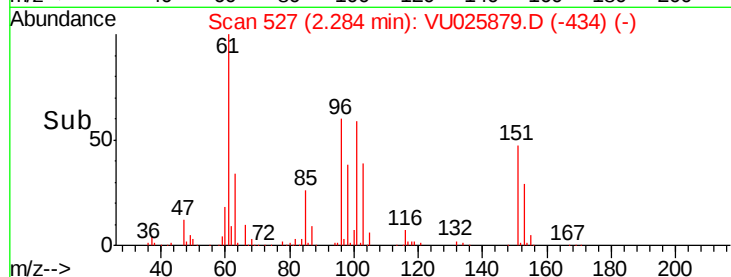
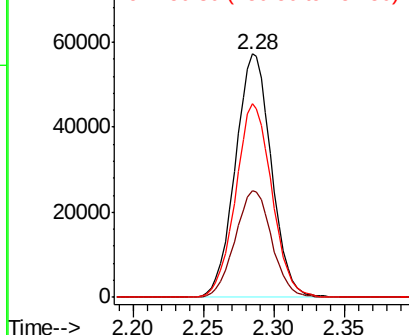
Tot Ion	101	Resp	102376
Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.0	54.0
151	80.0	65.6	98.4

Manual Integrations
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MMDadoda
8/7/2018 1:51:34 PM



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



#10

Methyl Iodide

Concen: 42.08 ug/l

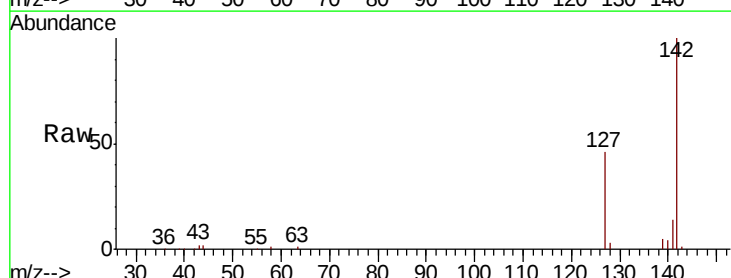
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

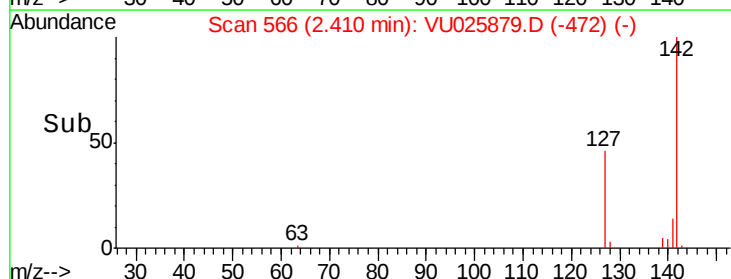
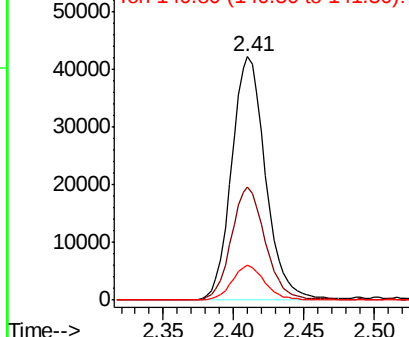
Lab File: VU025879.D

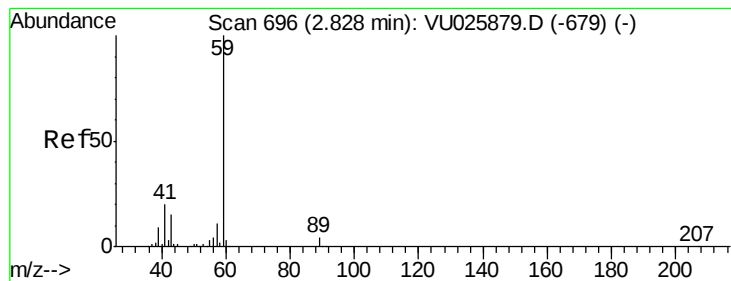
Acq: 06 Aug 2018 11:53

Tgt Ion	142	Resp	71558
Ion	Ratio	Lower	Upper
142	100		
127	46.5	36.5	54.7
141	13.8	11.4	17.2



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





#11

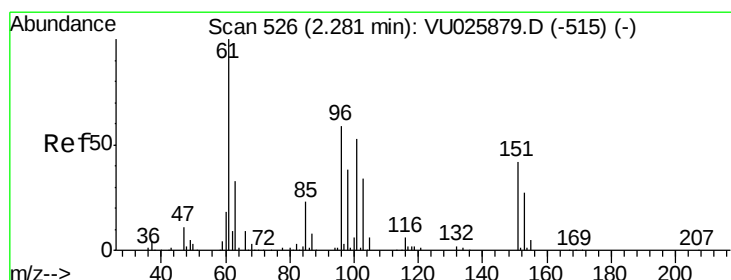
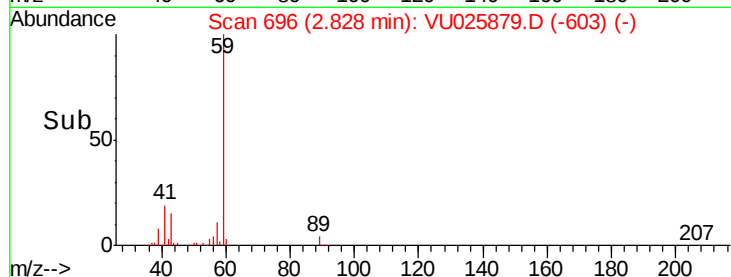
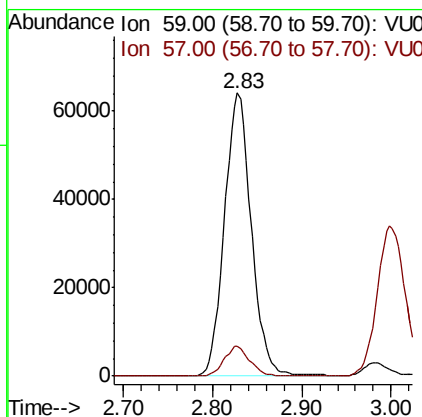
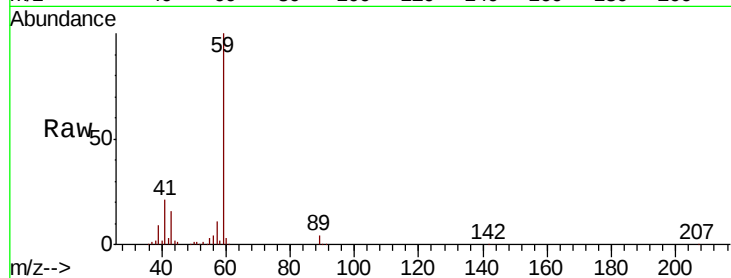
Tert butyl alcohol
Concen: 235.04 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
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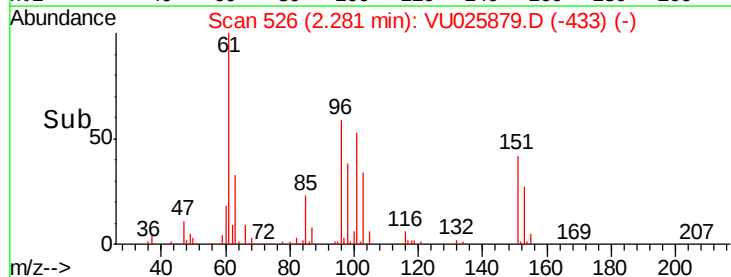
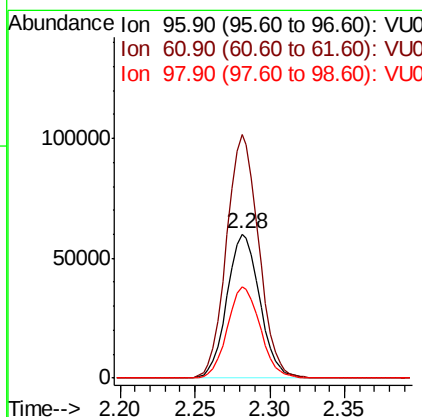
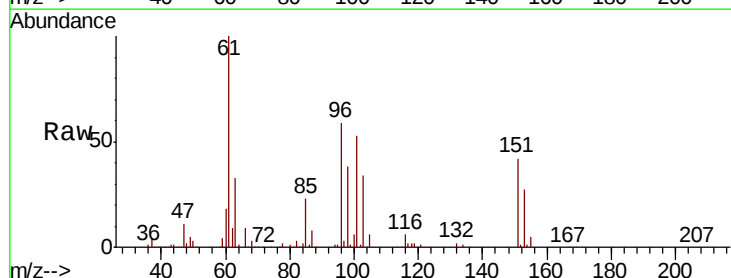
MMDadoda
8/7/2018 1:51:34 PM

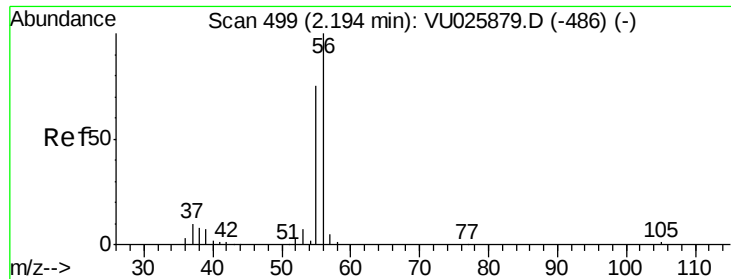


#12

1,1-Dichloroethene
Concen: 51.17 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	140.2	210.4
98	63.4	49.3	73.9





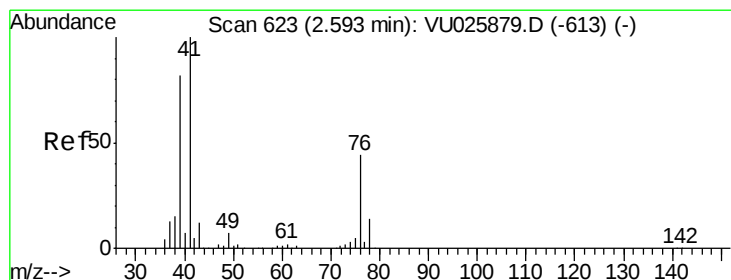
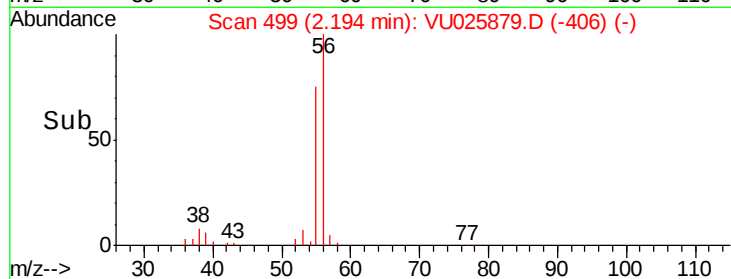
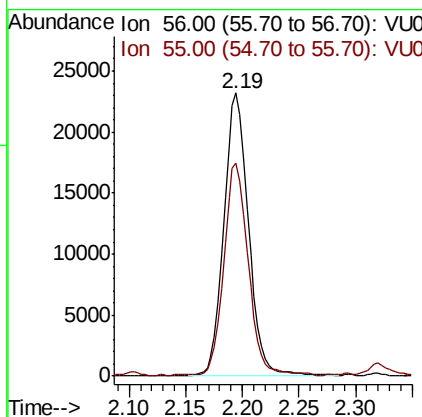
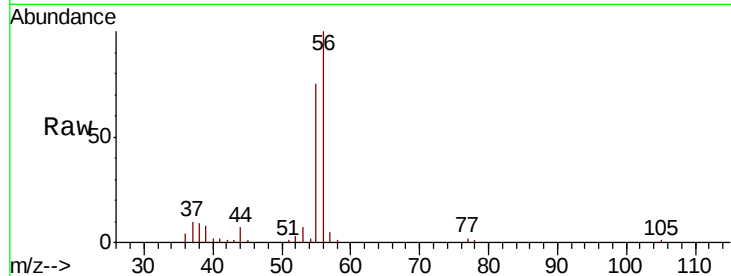
#13
Acrolein
Concen: 171.42 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	35451
Ion Ratio	100	Lower	Upper
55	72.4	57.2	85.8

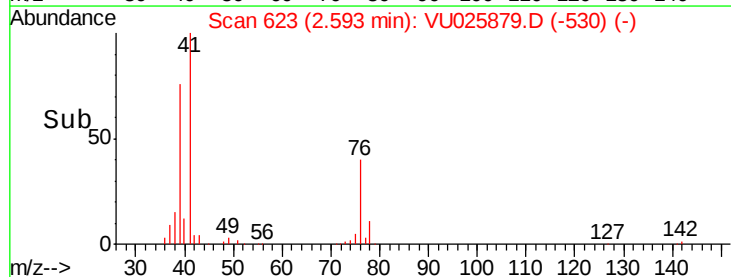
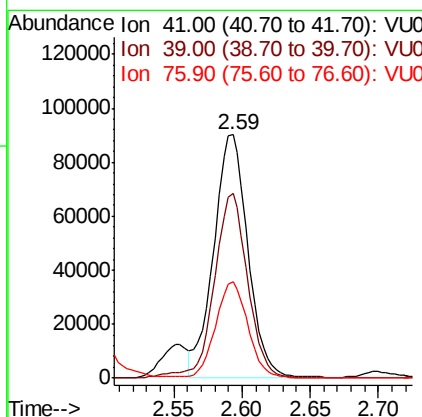
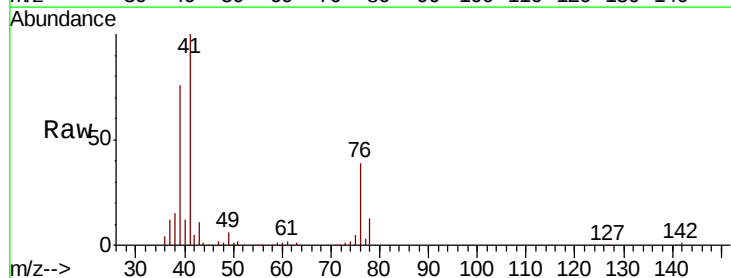
Manual Integrations
APPROVED

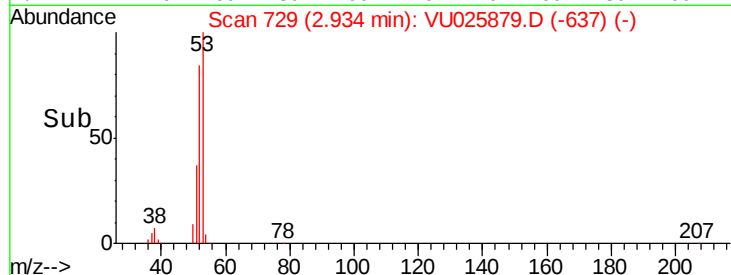
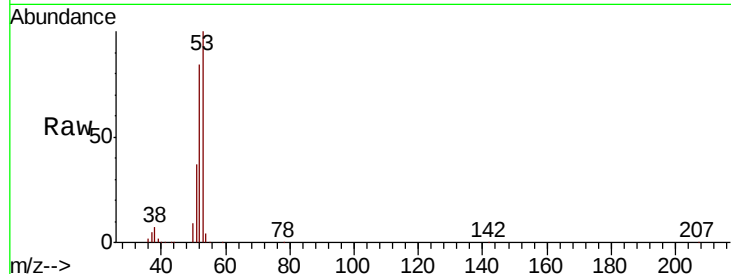
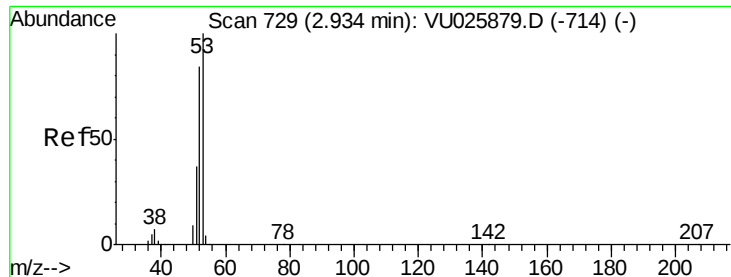
MMDadoda
8/7/2018 1:51:34 PM



#14
Allyl chloride
Concen: 48.79 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	41	Resp	157021
Ion Ratio	100	Lower	Upper
39	74.4	60.6	91.0
76	37.7	30.5	45.7





#15

Acrylonitrile

Concen: 258.90 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025879.D

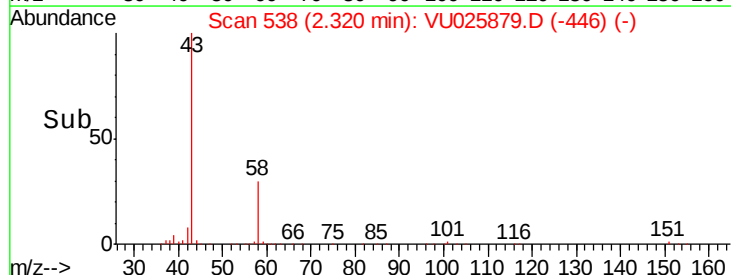
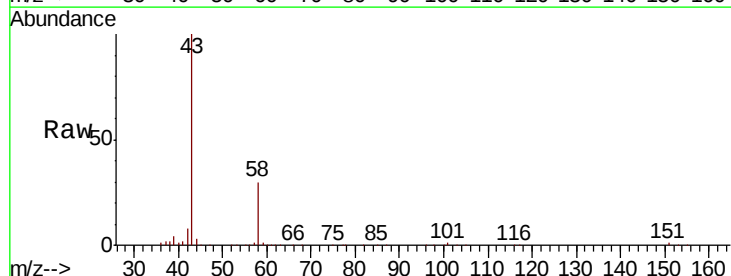
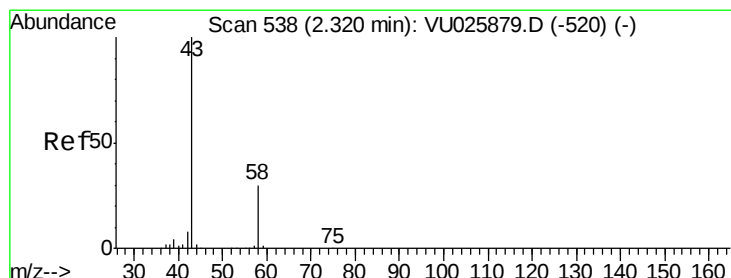
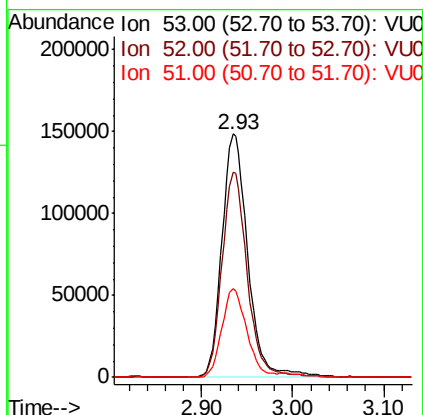
Acq: 06 Aug 2018 11:53

Tot Ion:	53	Resp:	294088
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	99.8
51	35.0	29.4	44.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
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8/7/2018 1:51:34 PM



#16

Acetone

Concen: 321.96 ug/l

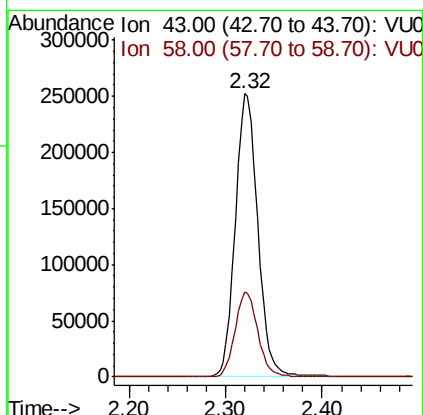
RT: 2.32 min Scan# 538

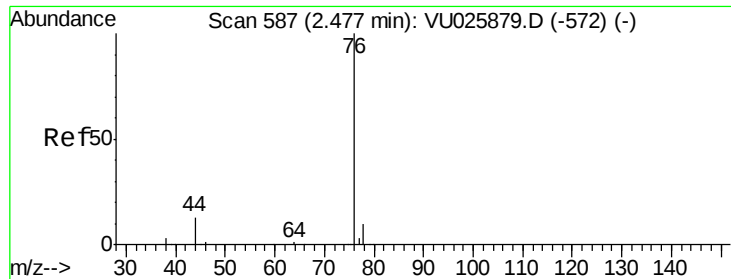
Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion:	43	Resp:	407896
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.1	34.7





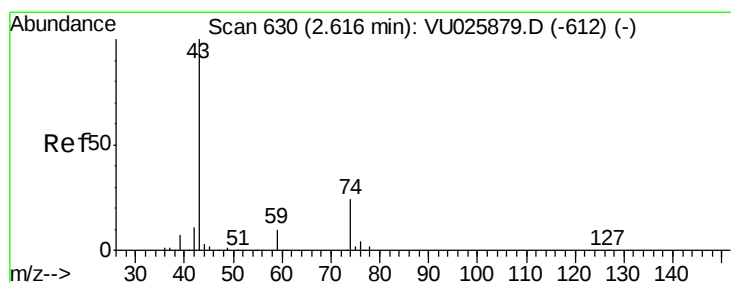
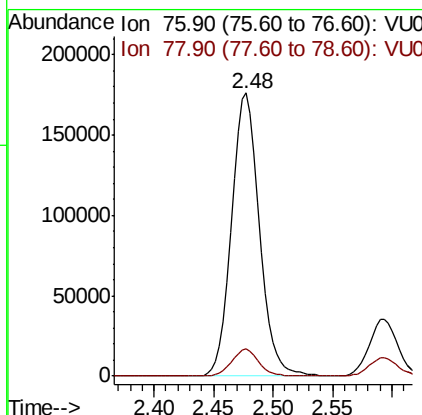
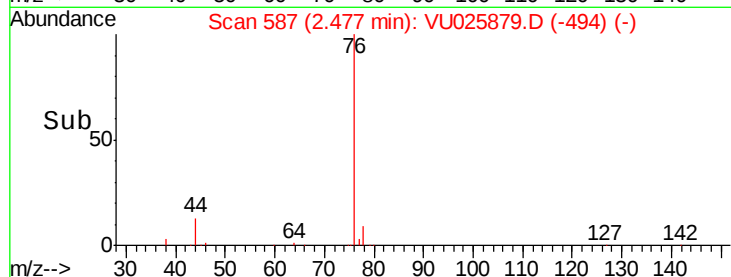
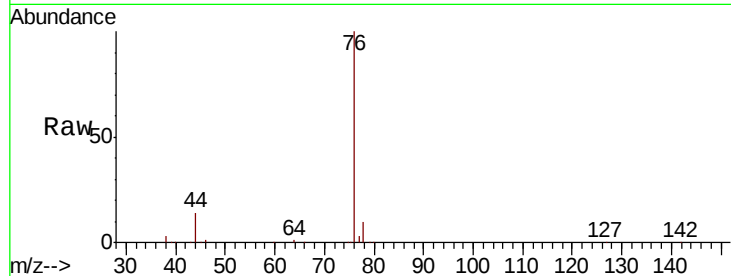
#17
Carbon Disulfide
Concen: 49.35 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

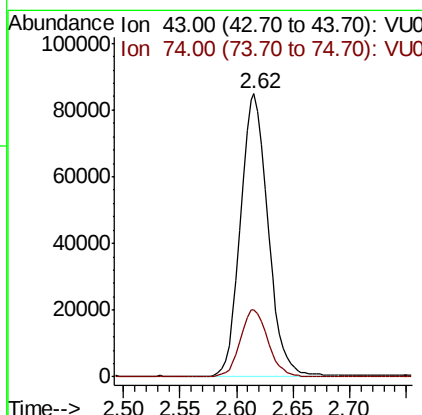
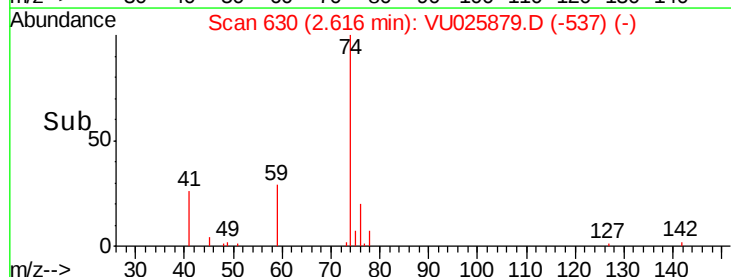
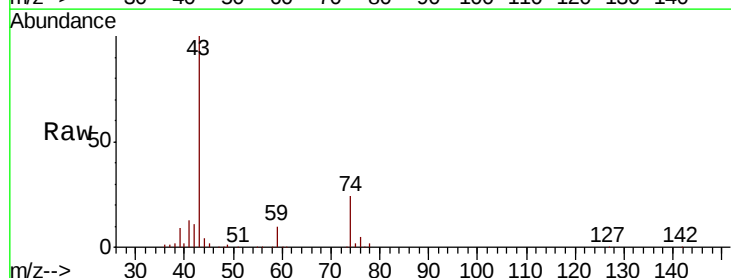
Manual Integrations
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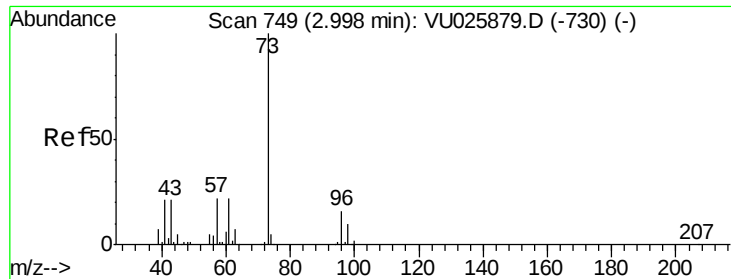
MMDadoda
8/7/2018 1:51:34 PM



#18
Methyl Acetate
Concen: 47.23 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.5	27.7





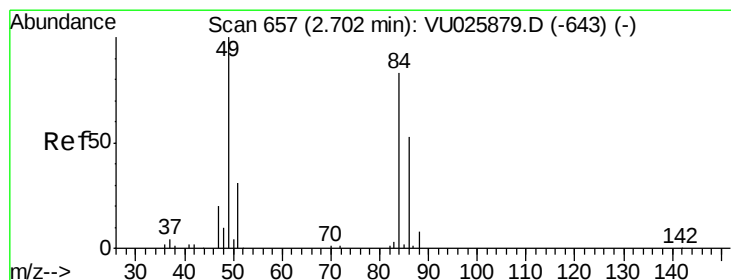
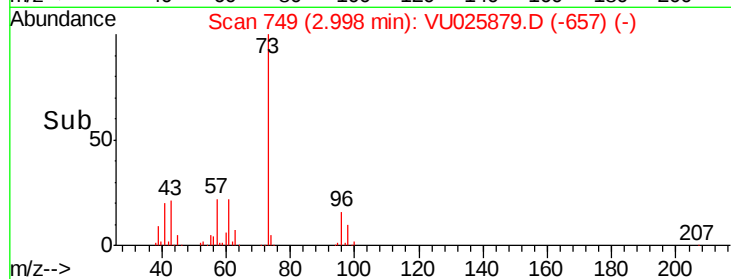
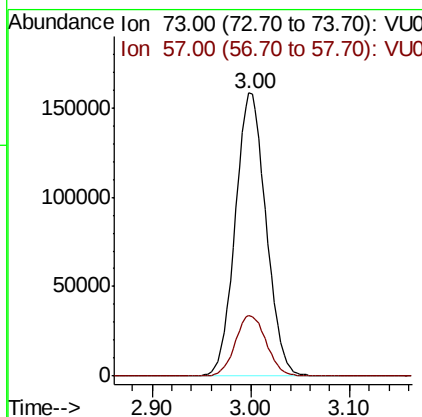
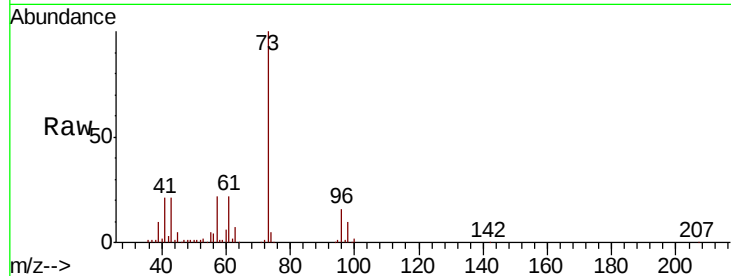
#19
Methvl tert-butvl Ether
Concen: 52.66 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2

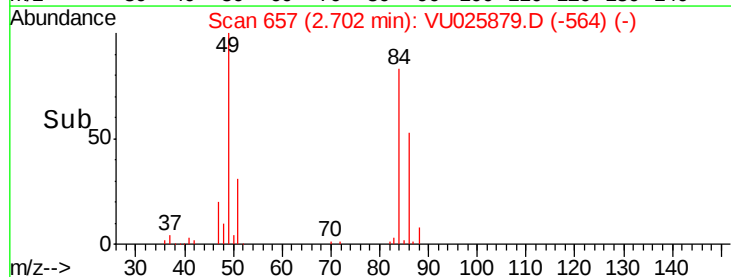
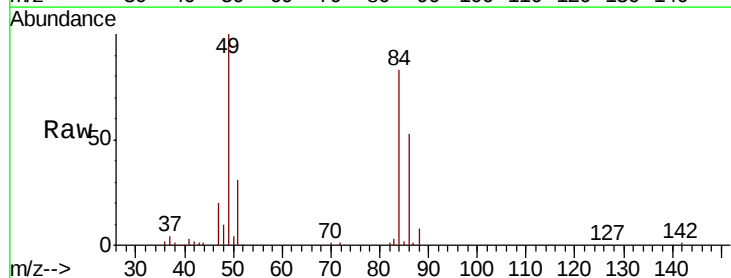
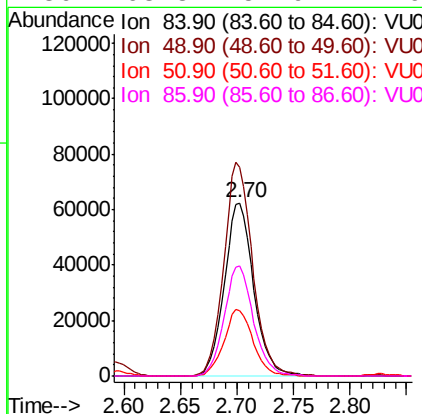
Manual Integrations
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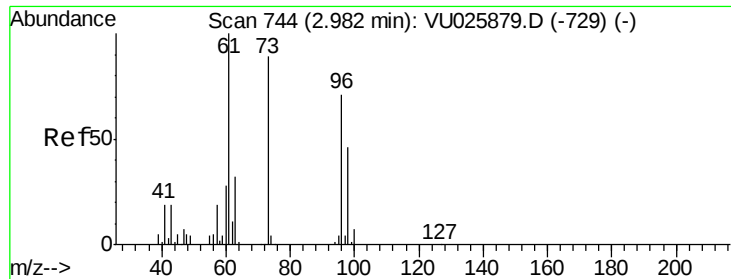
MMDadoda
8/7/2018 1:51:34 PM



#20
Methylene Chloride
Concen: 50.08 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	101.8	152.6
51	37.8	30.8	46.2
86	63.8	51.9	77.9





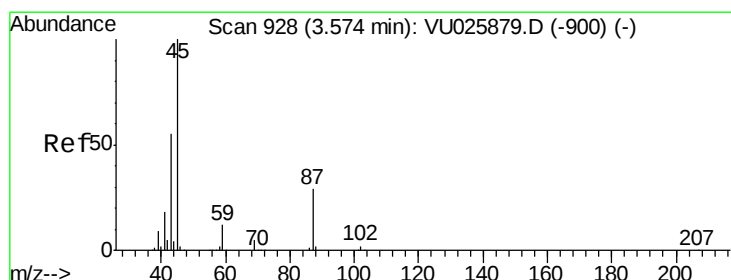
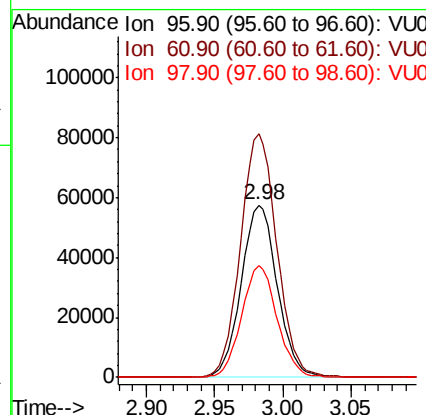
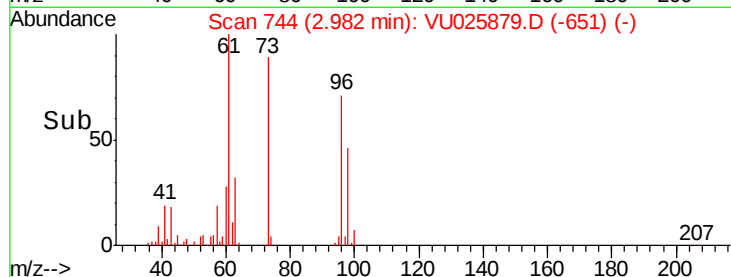
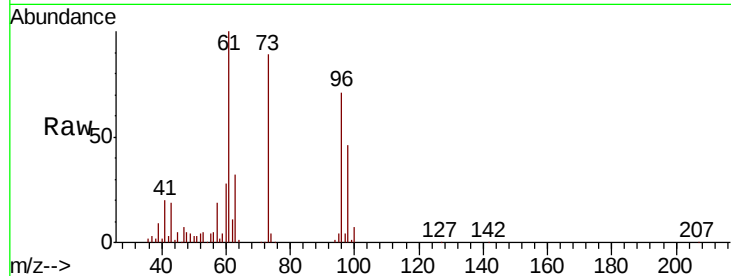
#21
trans-1,2-Dichloroethene
Concen: 50.89 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	114.5	171.7
98	64.5	50.5	75.7

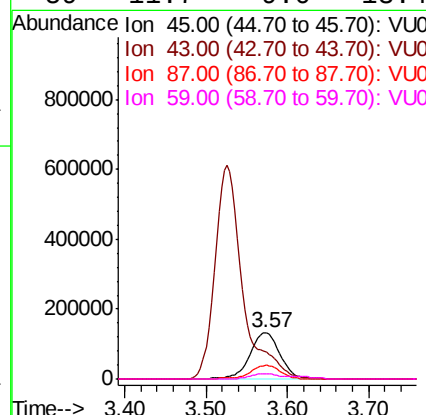
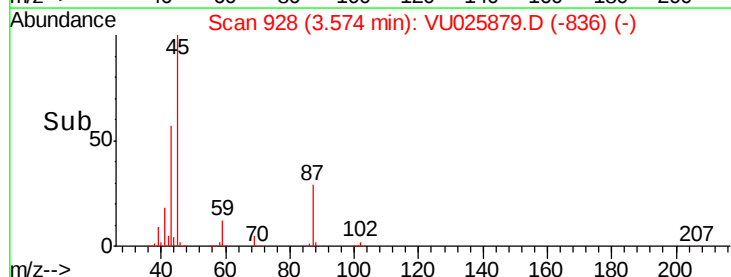
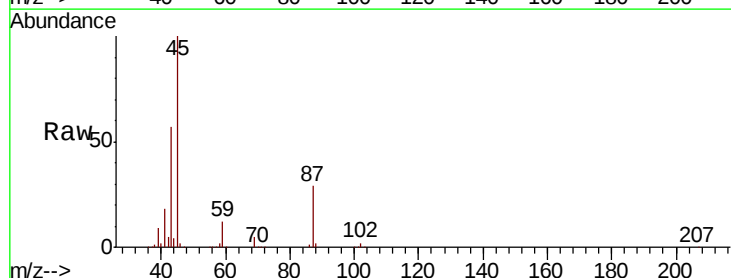
Manual Integrations
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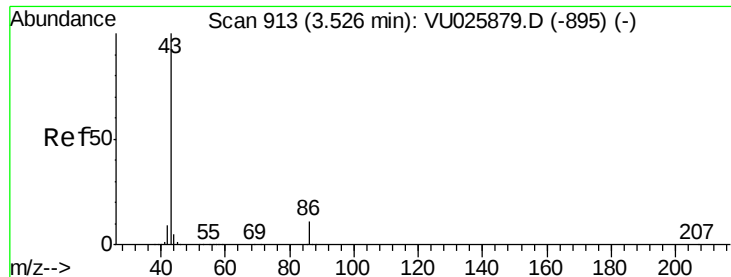
MMDadoda
8/7/2018 1:51:34 PM



#22
Diisopropyl ether
Concen: 53.24 ug/l
RT: 3.57 min Scan# 928
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	50.9	76.3
87	29.1	23.8	35.8
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 263.77 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1457711

Ion Ratio Lower Upper

43 100

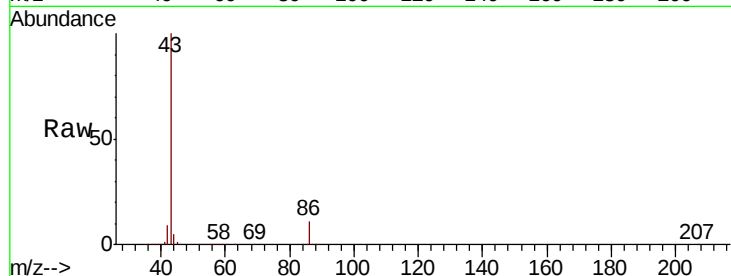
86 10.5 8.2 12.2

Manual Integrations

APPROVED

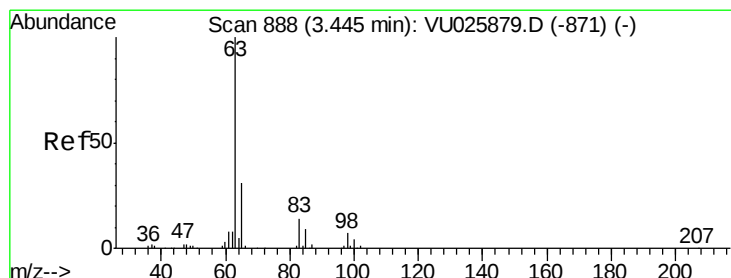
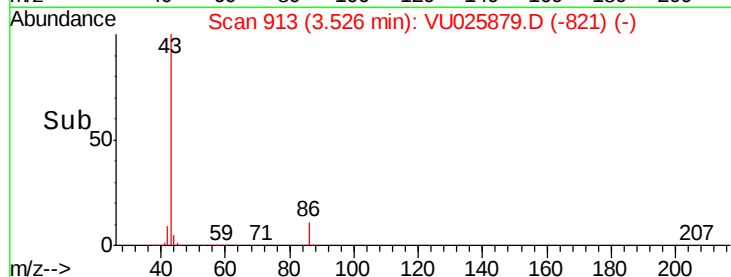
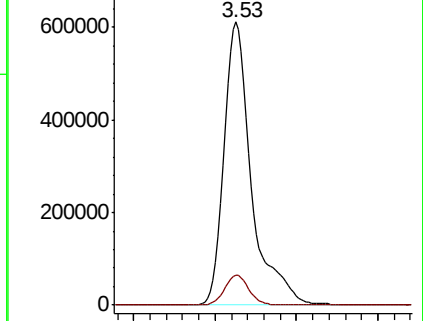
MMDadoda

8/7/2018 1:51:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 52.26 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

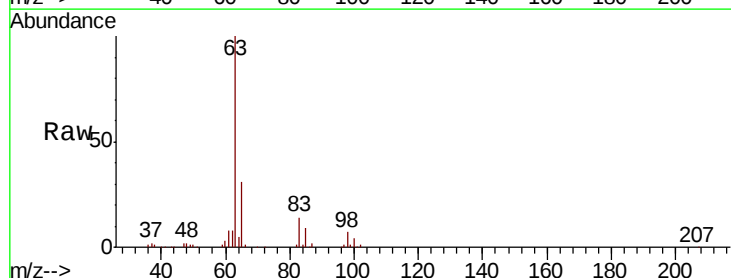
Tgt Ion: 63 Resp: 198921

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

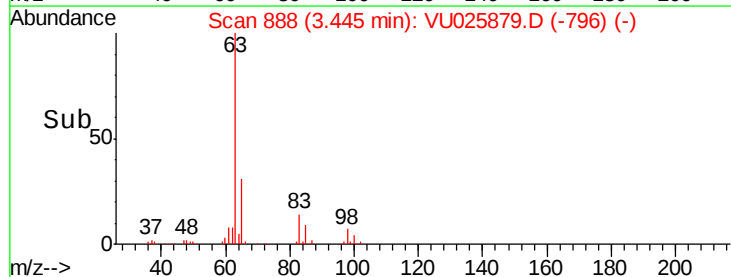
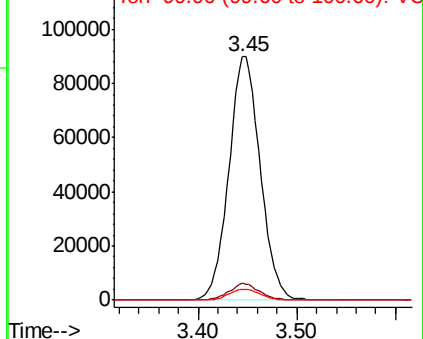
100 4.5 2.0 6.0

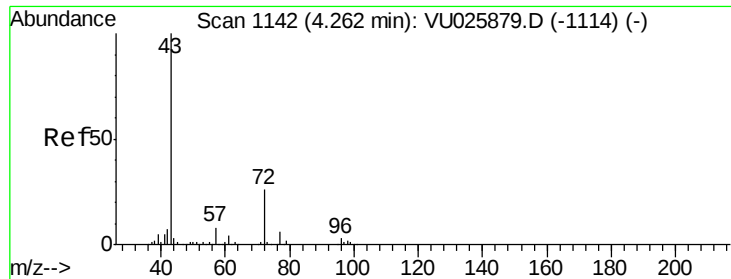


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





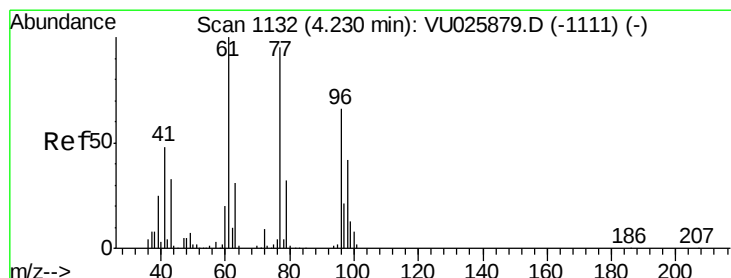
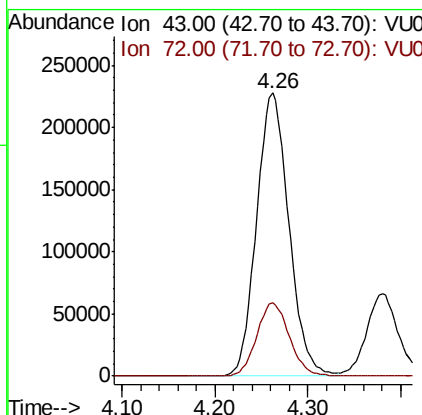
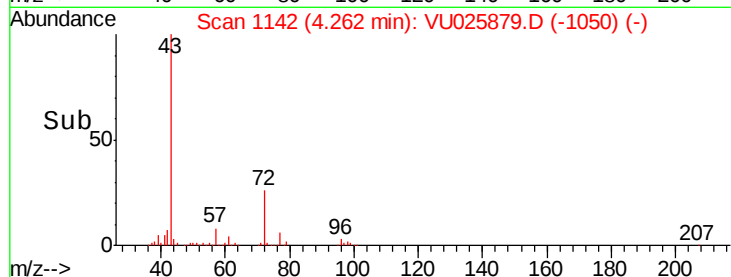
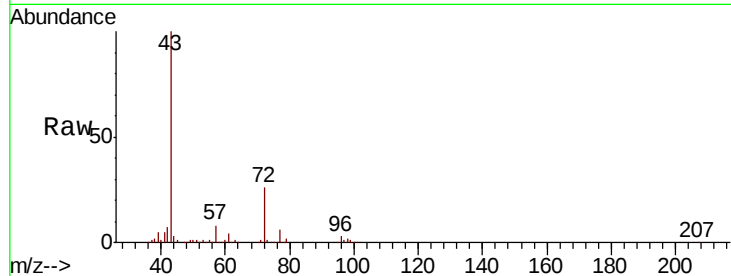
#25
2-Butanone
Concen: 319.25 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	550595
Ion Ratio	100	Lower	Upper
43	100		
72	26.0	21.0	31.4

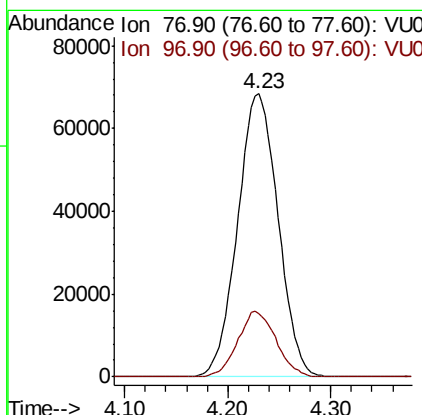
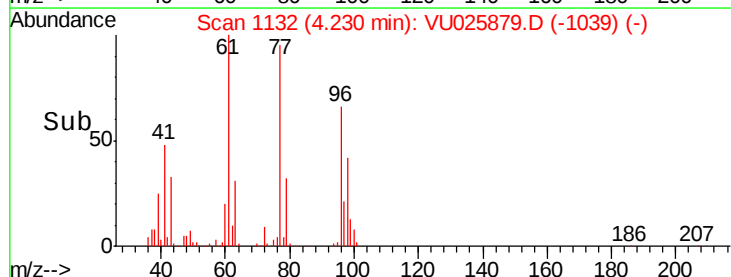
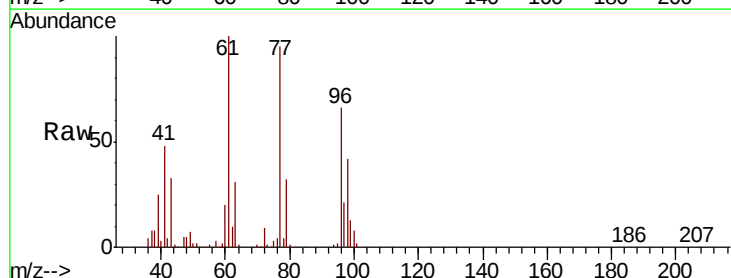
Manual Integrations
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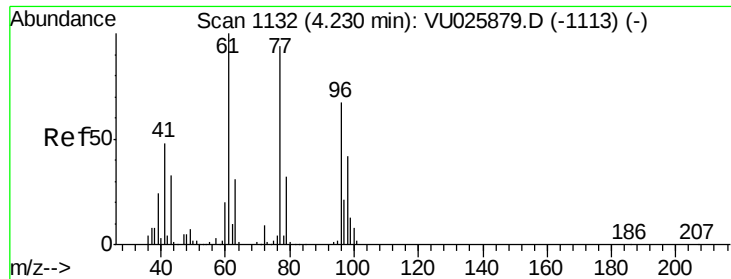
MMDadoda
8/7/2018 1:51:34 PM



#26
2,2-Dichloropropane
Concen: 53.89 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	77	Resp	186445
Ion Ratio	100	Lower	Upper
77	100		
97	22.0	11.2	33.5





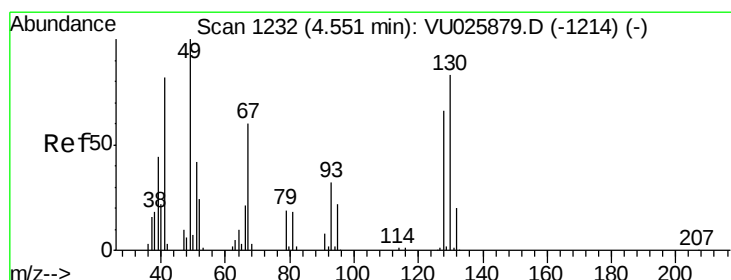
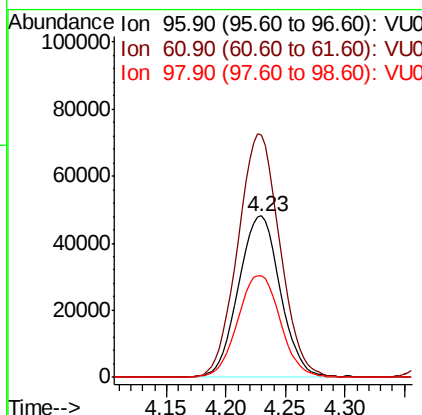
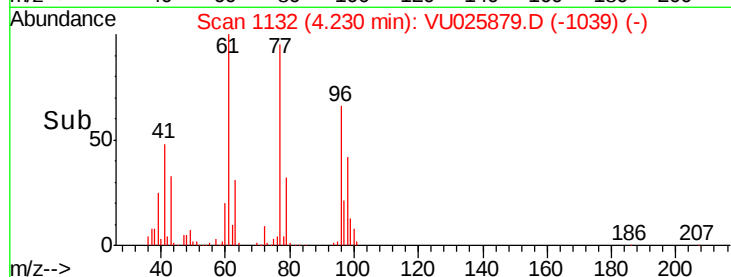
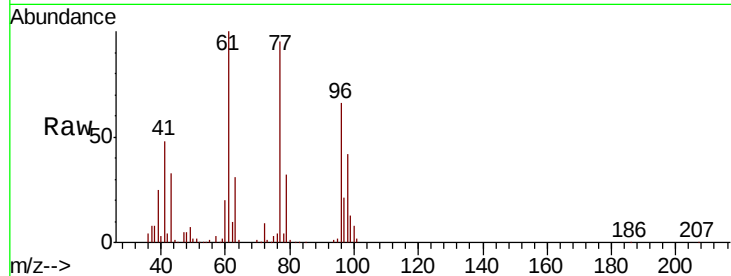
#27
 cis-1,2-Dichloroethene
 Concen: 50.29 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.9	0.0	299.8	
98	64.3	0.0	128.6	

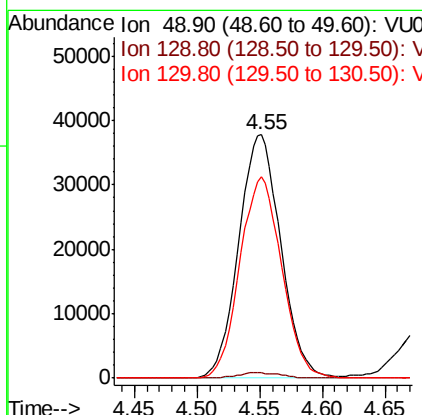
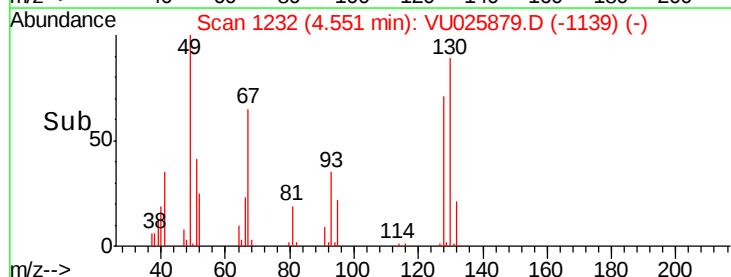
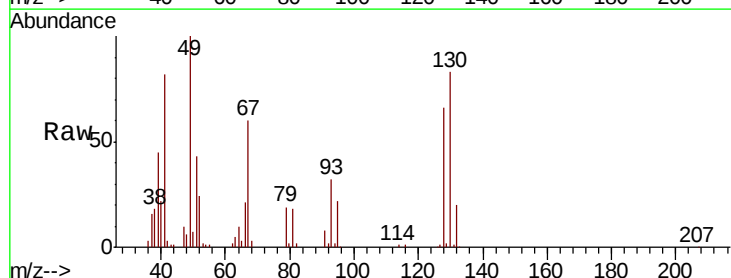
Manual Integrations
 APPROVED

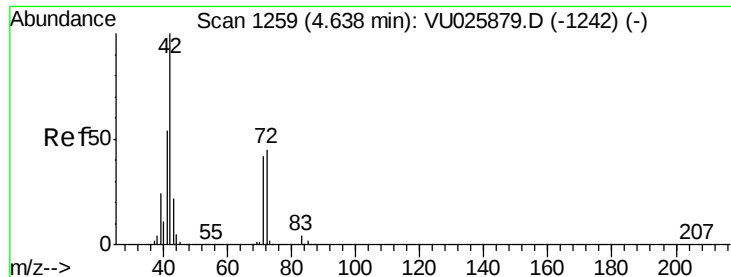
MMDadoda
 8/7/2018 1:51:34 PM



#28
 Bromochloromethane
 Concen: 51.79 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	82.1	68.6	102.8	





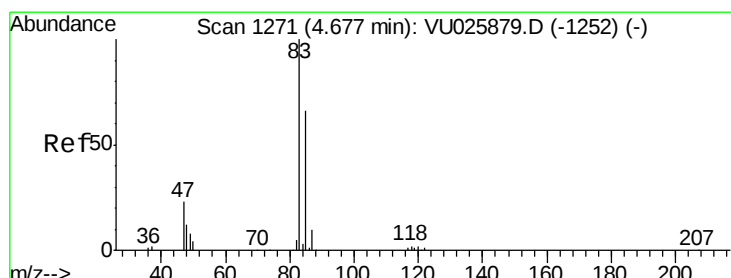
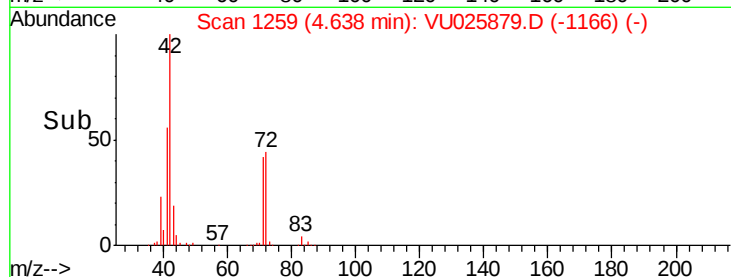
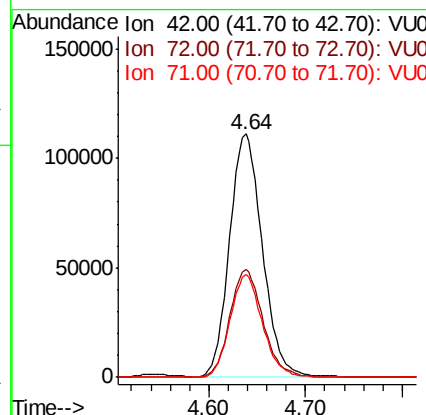
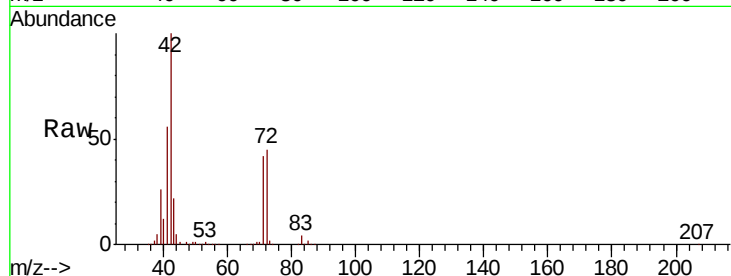
#29
Tetrahydrofuran
Concen: 253.54 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.7	55.1
71	41.7	33.9	50.9

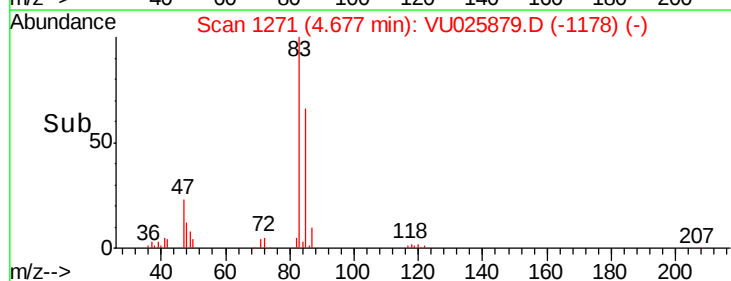
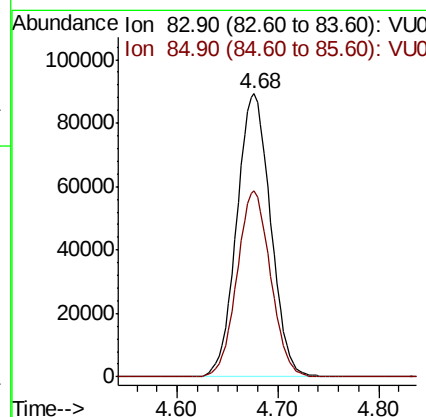
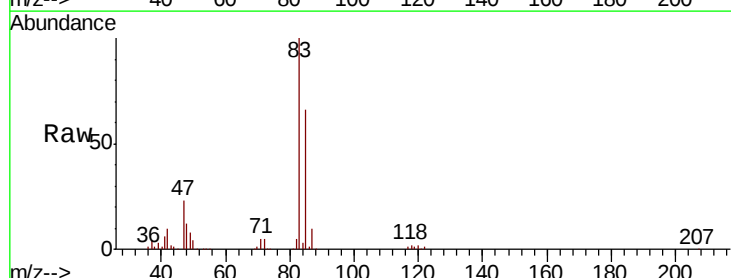
Manual Integrations
APPROVED

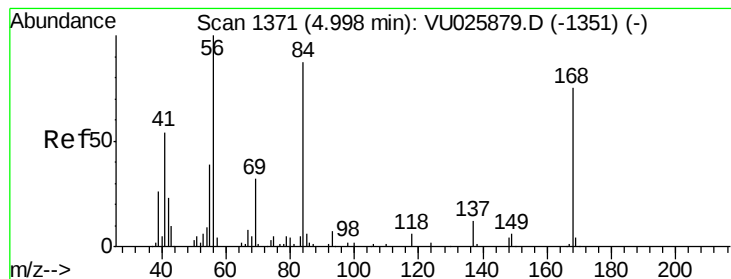
MMDadoda
8/7/2018 1:51:34 PM



#30
Chloroform
Concen: 51.74 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





#31

Cyclohexane

Concen: 51.20 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

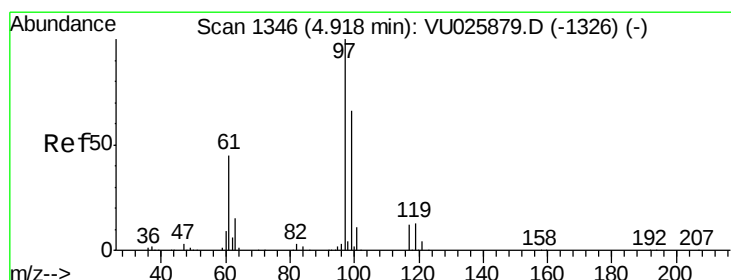
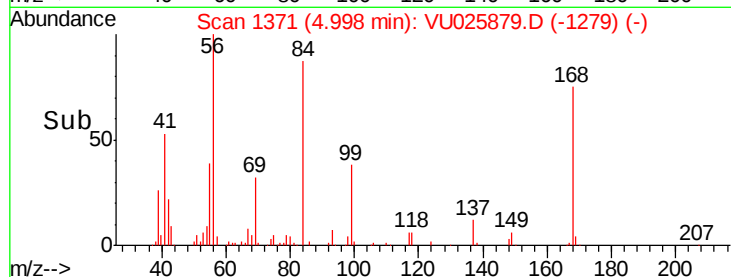
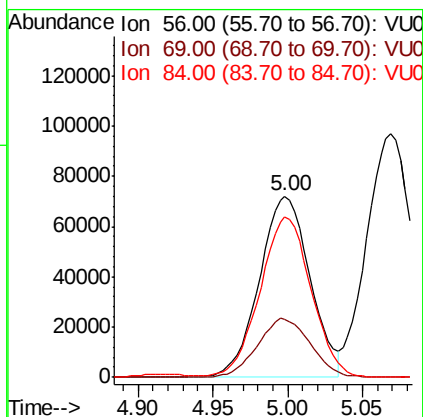
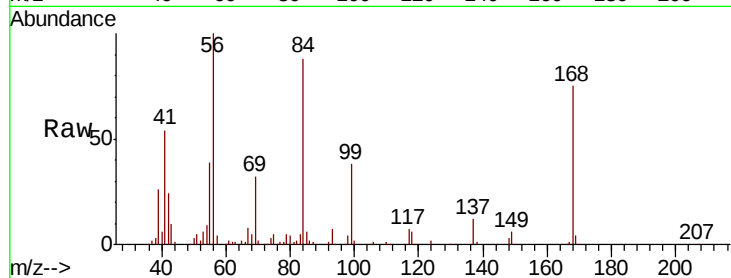
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	169447
Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.8	40.2
84	87.4	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.88 ug/l

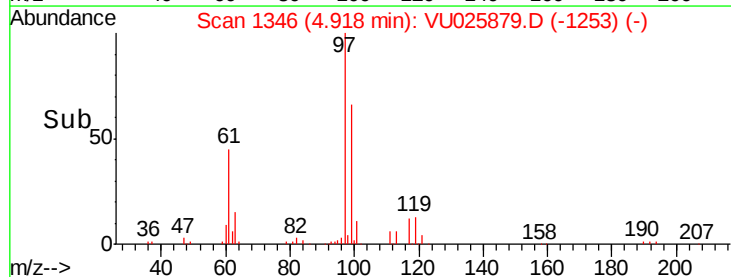
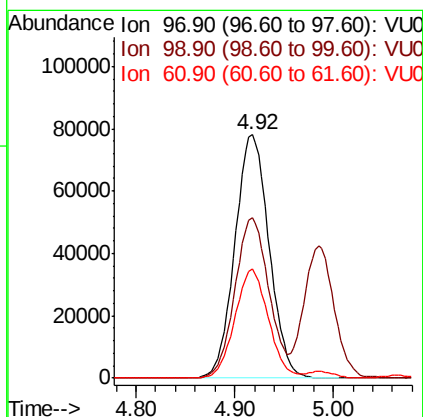
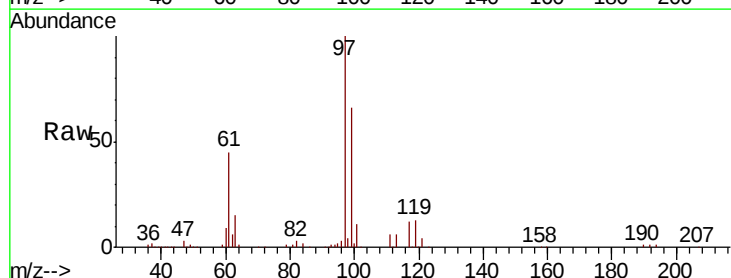
RT: 4.92 min Scan# 1346

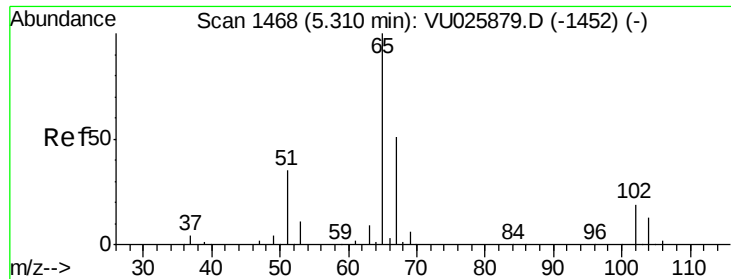
Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion:	97	Resp:	187695
Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.8	76.2
61	43.9	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 49.95 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tot Ion: 65 Resp: 129800

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6

Instrument :

MSVOA_U

ClientSampleId :

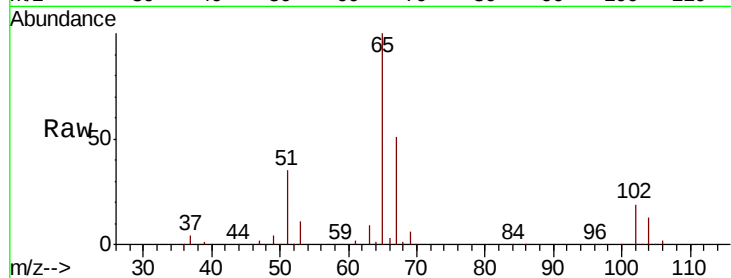
VSTDCCC050

Manual Integrations

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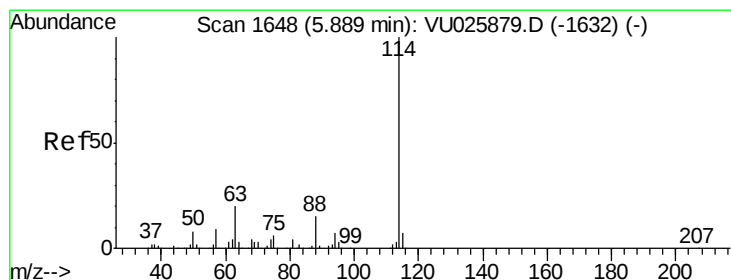
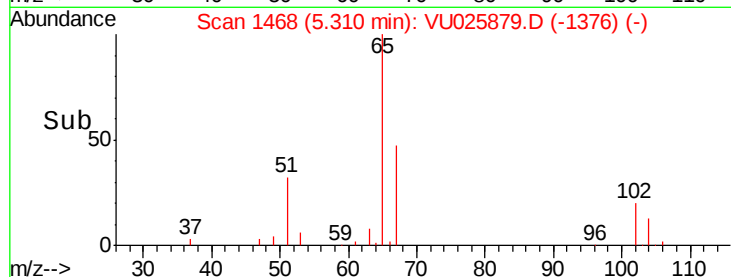
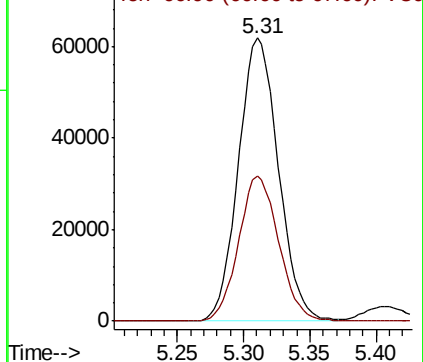
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Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

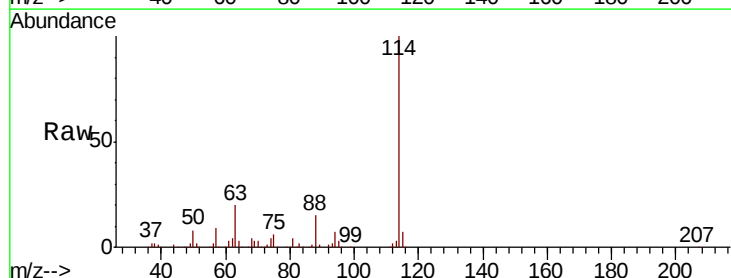
Tgt Ion:114 Resp: 239041

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

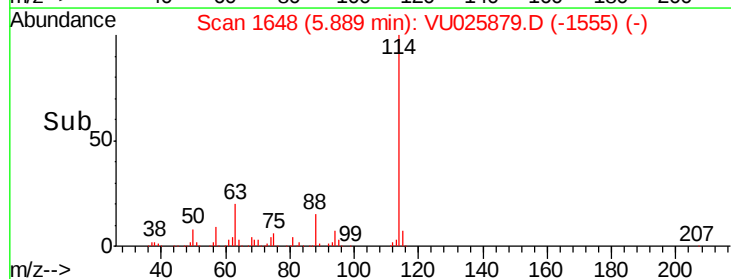
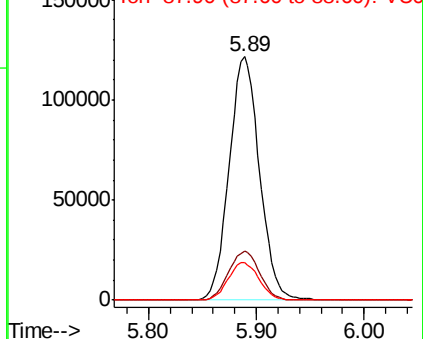
88 15.3 0.0 32.4

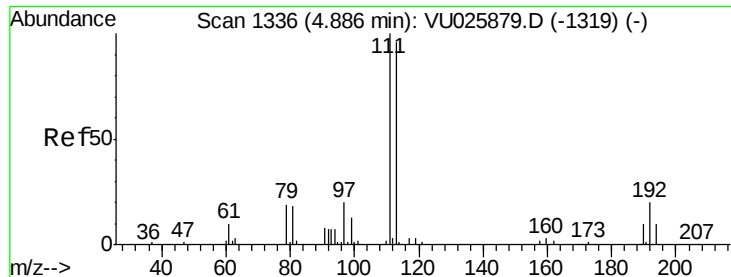


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





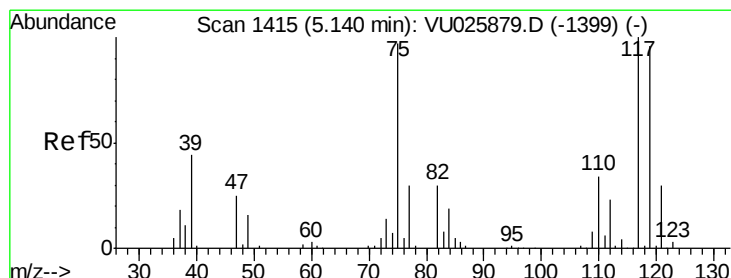
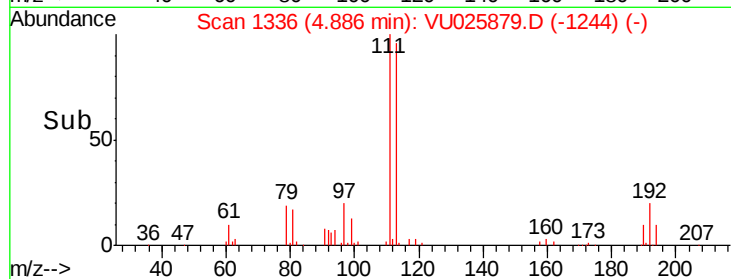
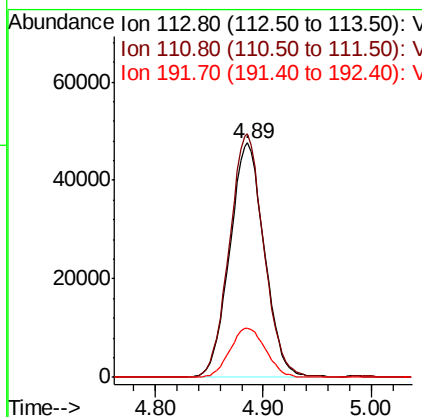
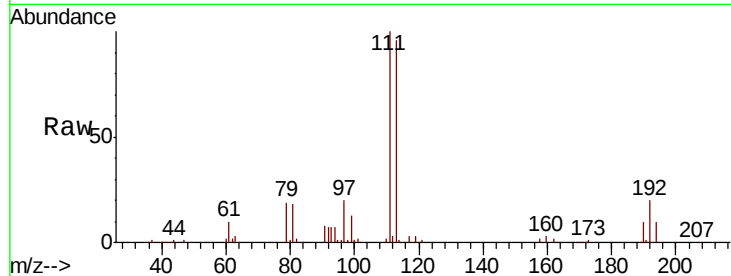
#35
 Dibromofluoromethane
 Concen: 51.25 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106557		
111	103.3	81.7	122.5	
192	21.6	17.1	25.7	

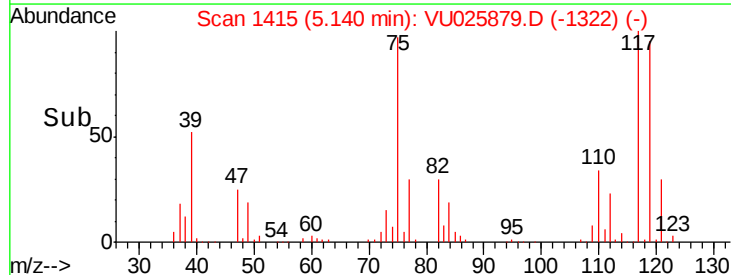
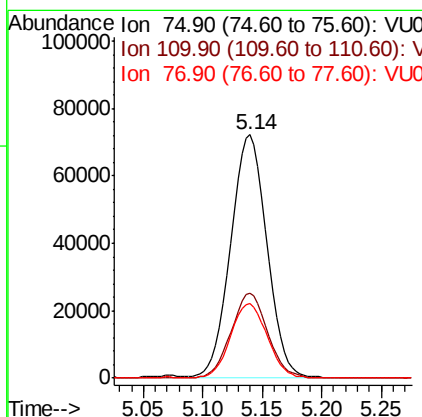
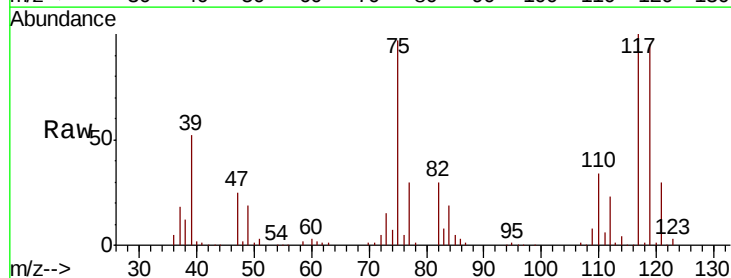
Manual Integrations
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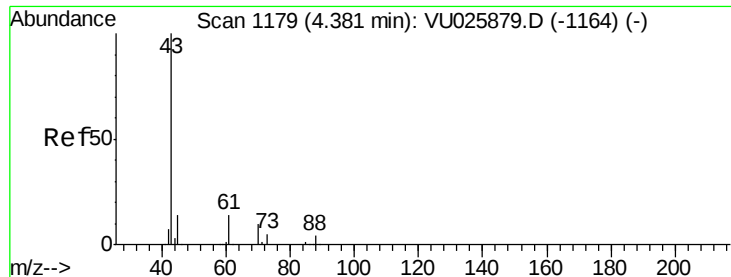
MMDadoda
 8/7/2018 1:51:34 PM



#36
 1,1-Dichloropropene
 Concen: 54.42 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152032		
110	35.3	17.6	52.9	
77	30.7	24.4	36.6	





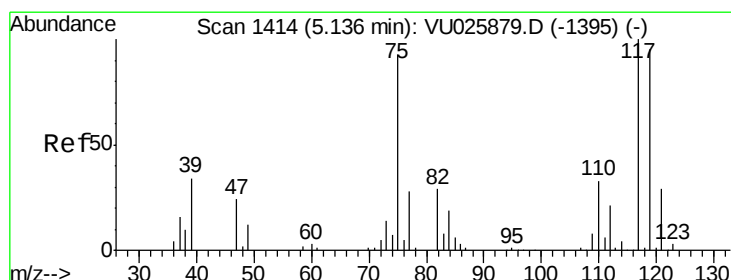
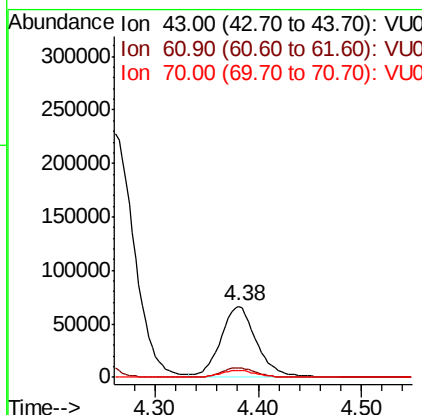
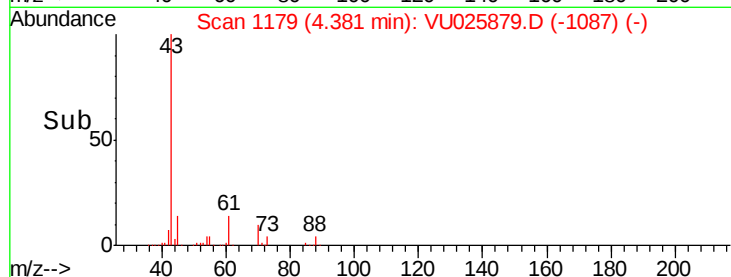
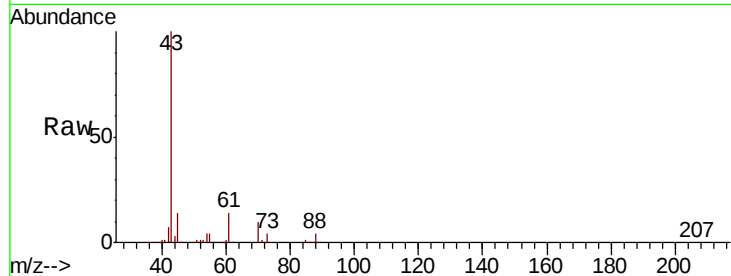
#37
Ethyl Acetate
Concen: 54.71 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.0	8.4	12.6

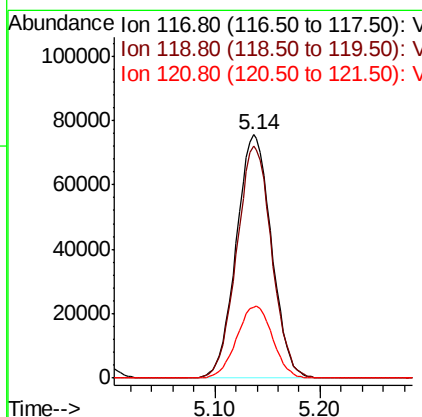
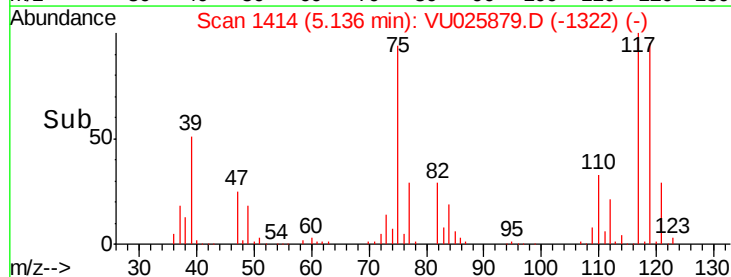
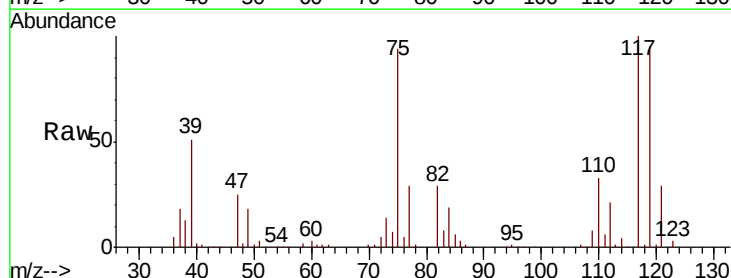
Manual Integrations
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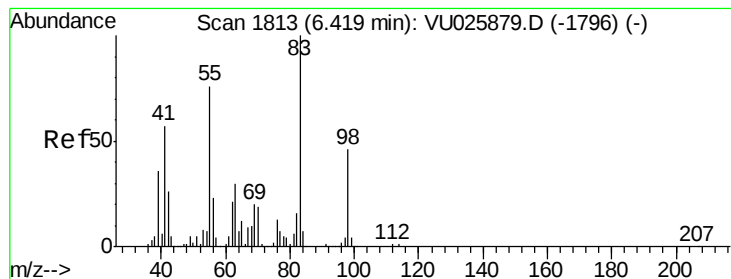
MMDadoda
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#38
Carbon Tetrachloride
Concen: 55.27 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.7	113.5
121	29.3	24.6	36.8





#39

Methvlcvclohexane

Concen: 54.35 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

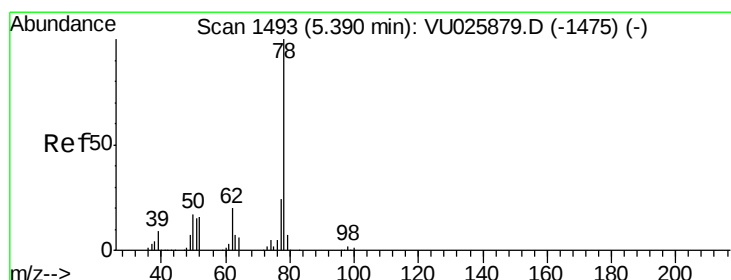
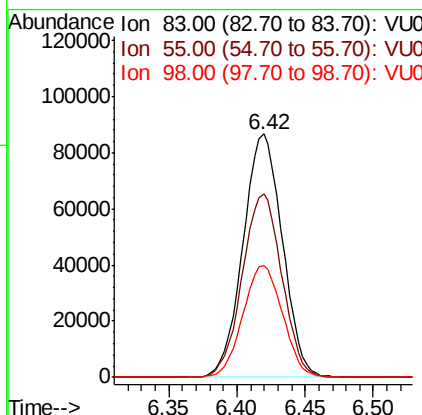
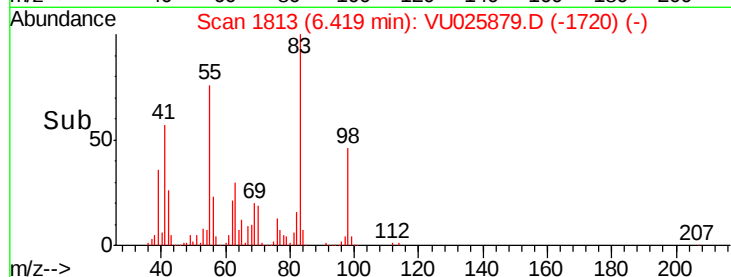
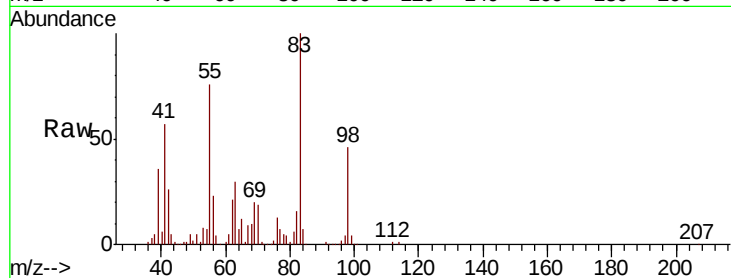
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	173977
Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.0	90.0
98	45.9	36.1	54.1

Manual Integrations
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8/7/2018 1:51:34 PM



#40

Benzene

Concen: 53.18 ug/l

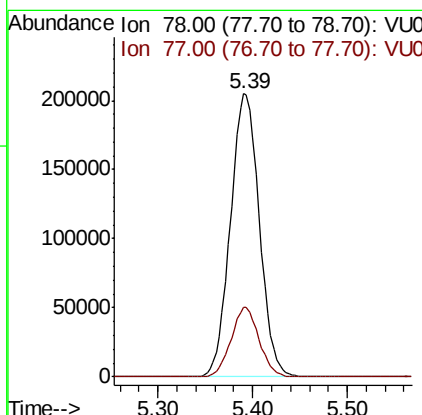
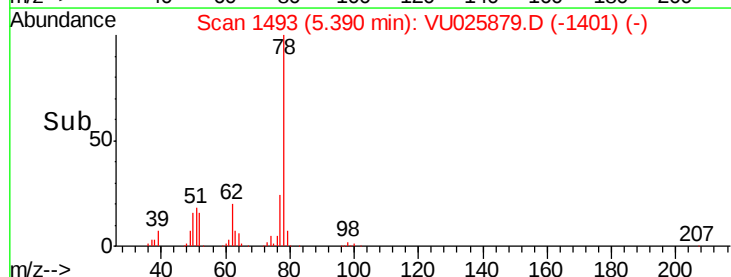
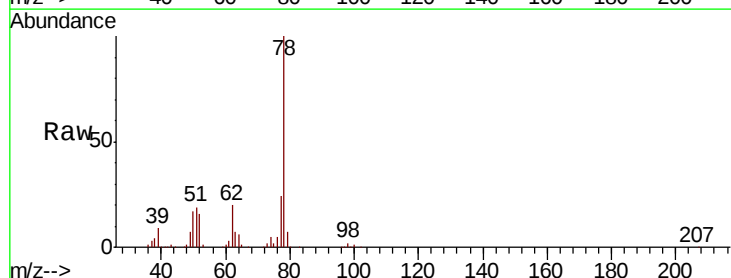
RT: 5.39 min Scan# 1493

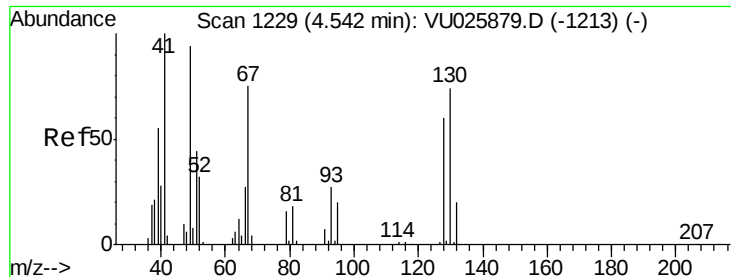
Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion:	78	Resp:	434273
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.8	29.6





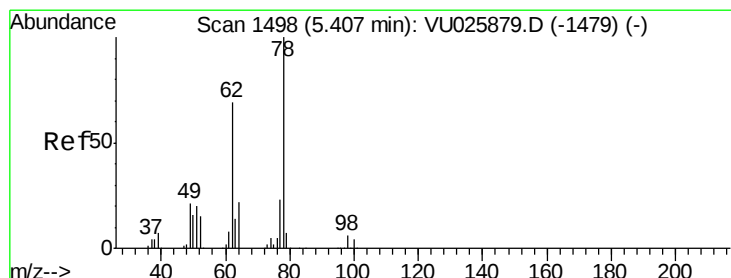
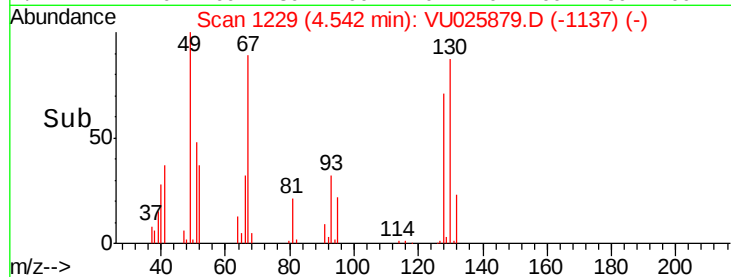
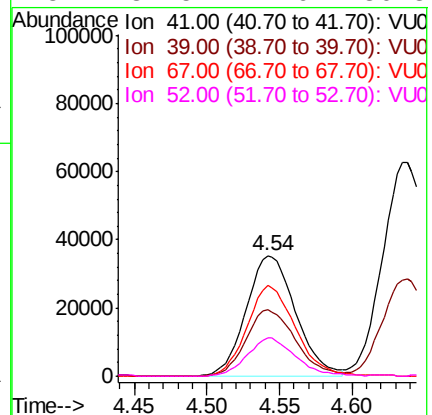
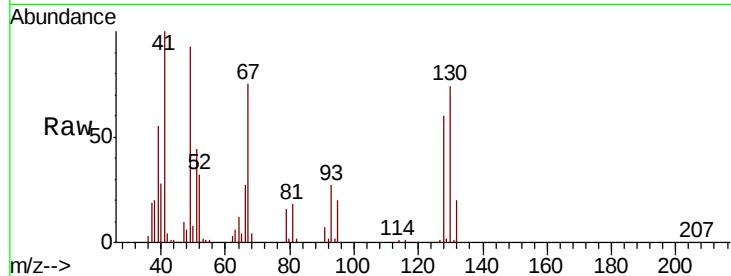
#41
Methacrylonitrile
Concen: 51.57 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.4	66.6
67	75.1	56.0	84.0
52	31.5	24.6	36.8

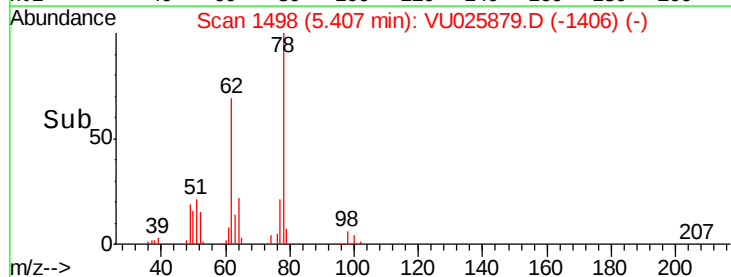
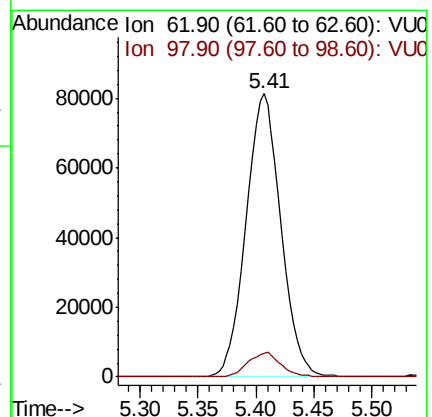
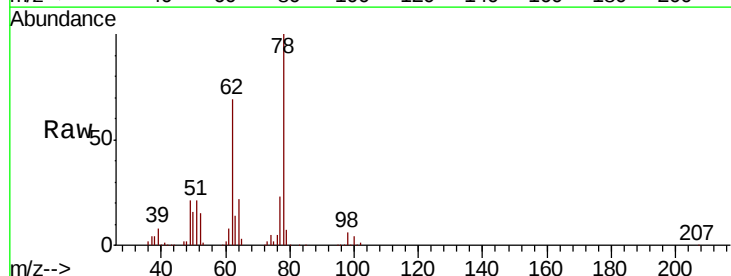
Manual Integrations
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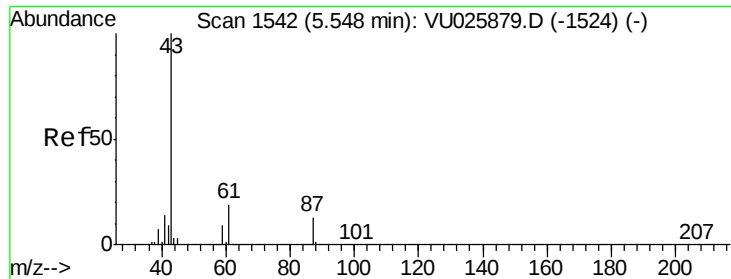
MMDadoda
8/7/2018 1:51:34 PM



#42
1,2-Dichloroethane
Concen: 54.15 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 52.52 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

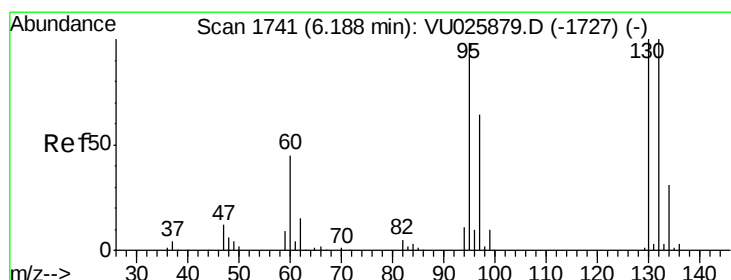
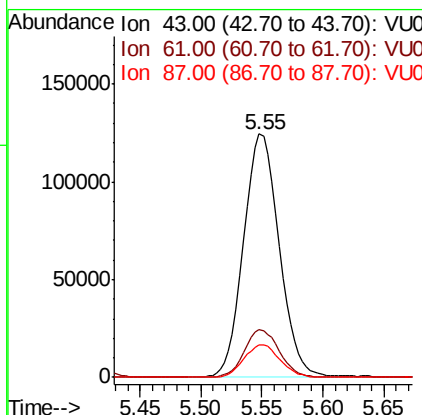
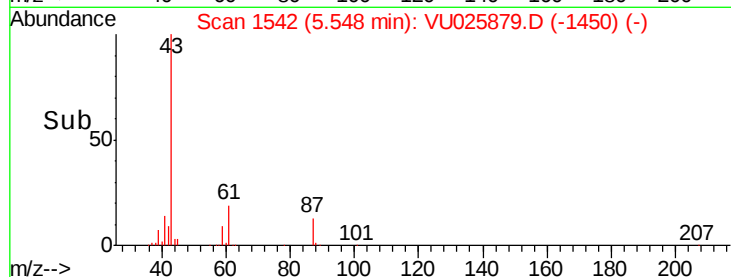
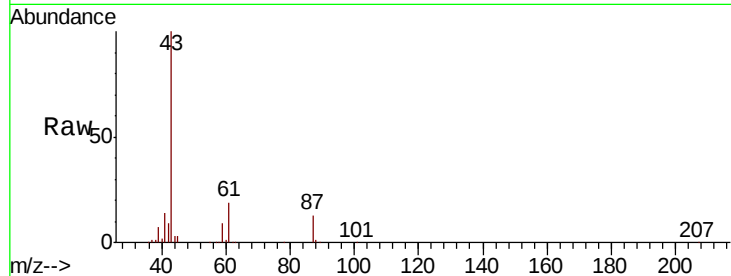
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	251372
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.5	23.3
87	13.6	10.6	16.0

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8/7/2018 1:51:34 PM



#44

Trichloroethene

Concen: 53.60 ug/l

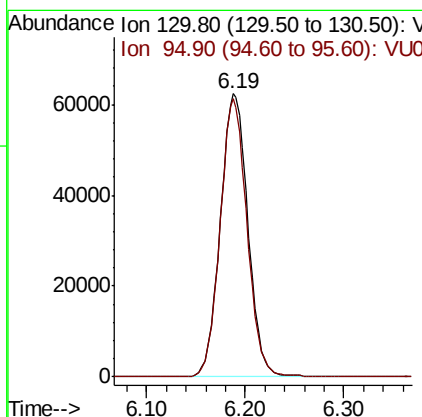
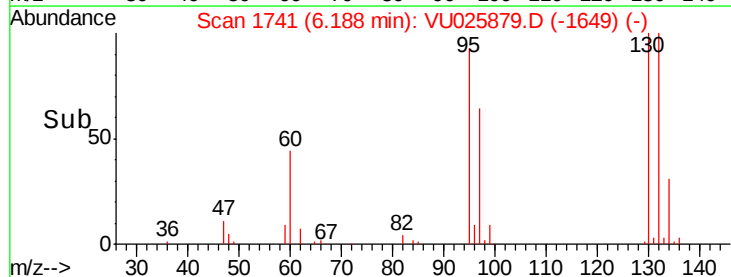
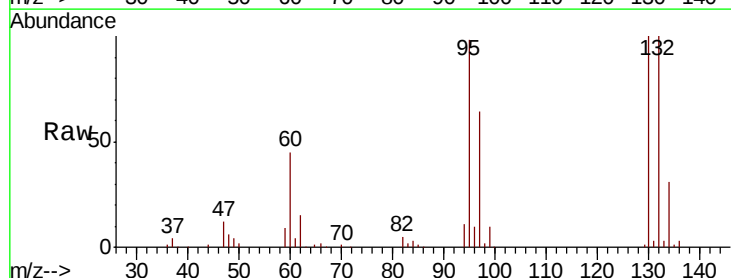
RT: 6.19 min Scan# 1741

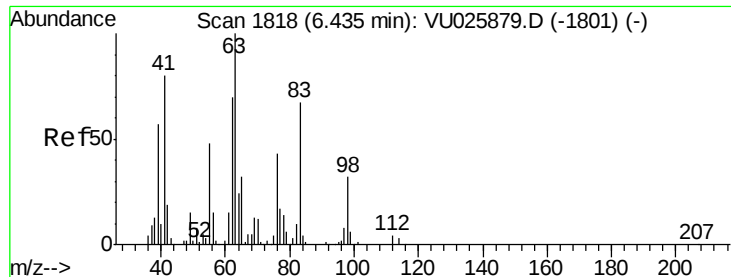
Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion:	130	Resp:	121893
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	192.2





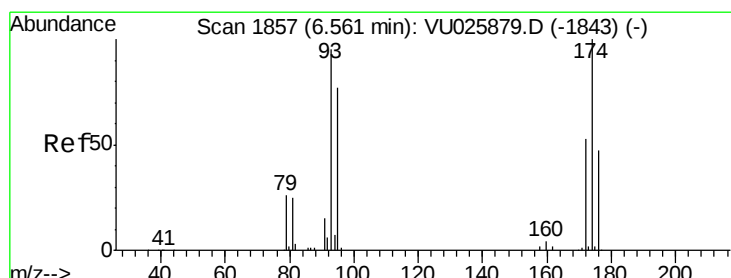
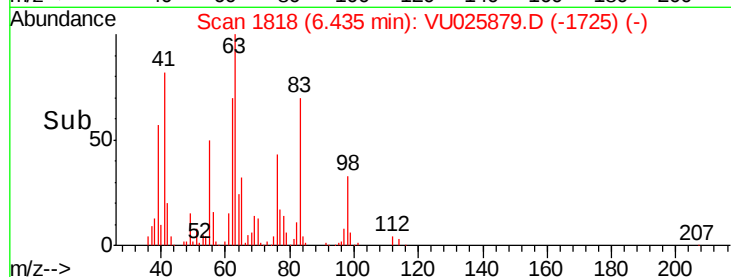
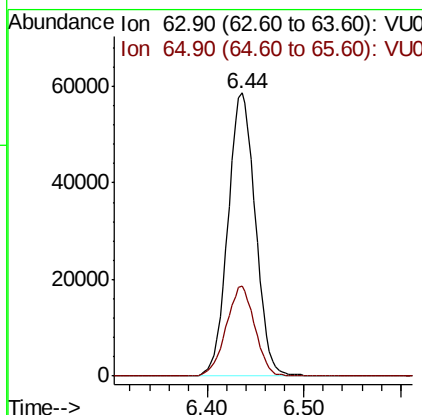
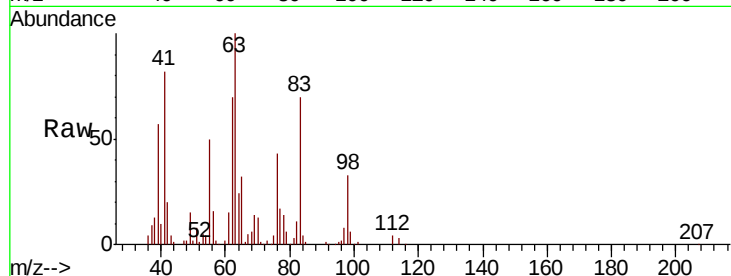
#45
 1,2-Dichloropropane
 Concen: 54.20 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	26.1	39.1

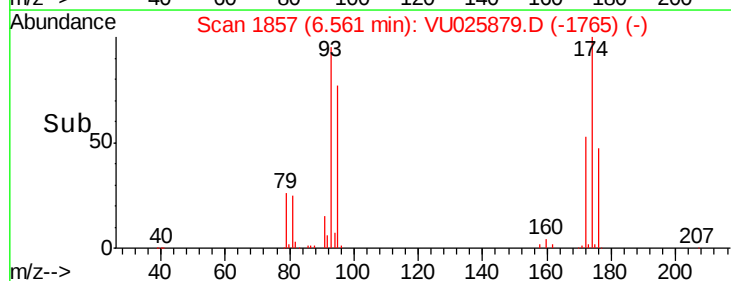
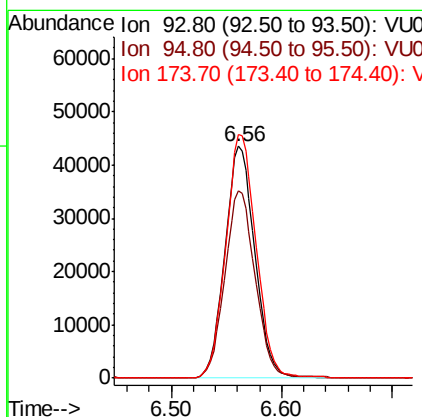
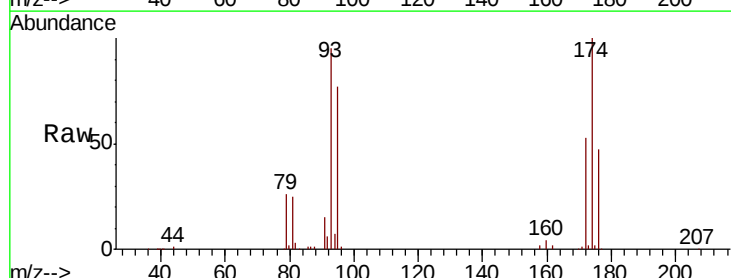
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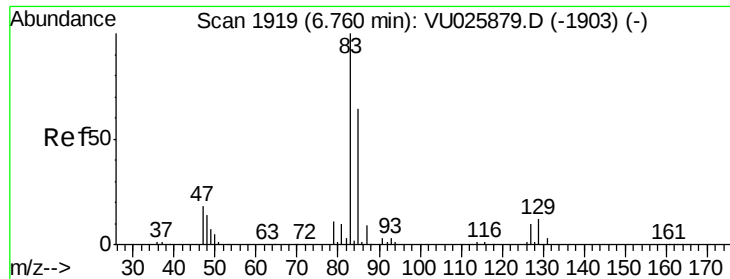
MMDadoda
 8/7/2018 1:51:34 PM



#46
 Dibromomethane
 Concen: 53.18 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.6	100.0
174	105.9	85.8	128.8





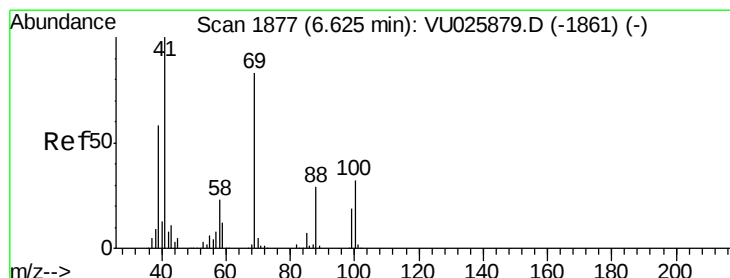
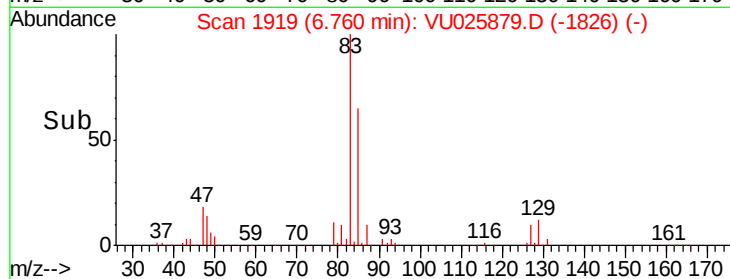
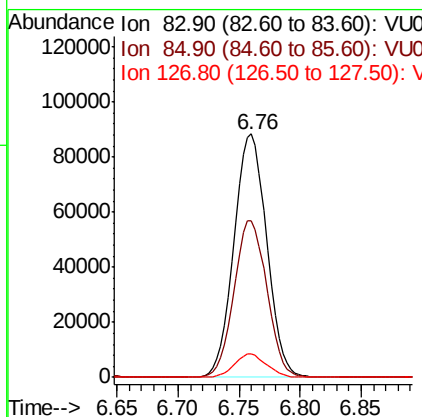
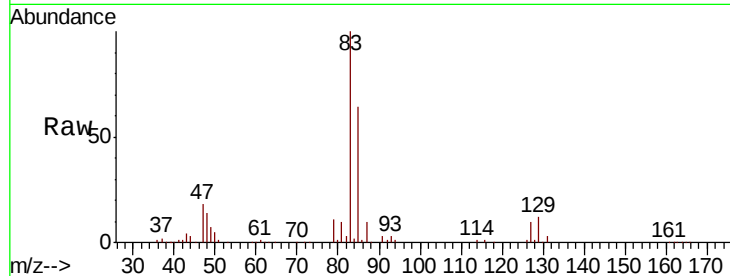
#47
 Bromodichloromethane
 Concen: 55.90 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	164535
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	9.7	7.2	10.8

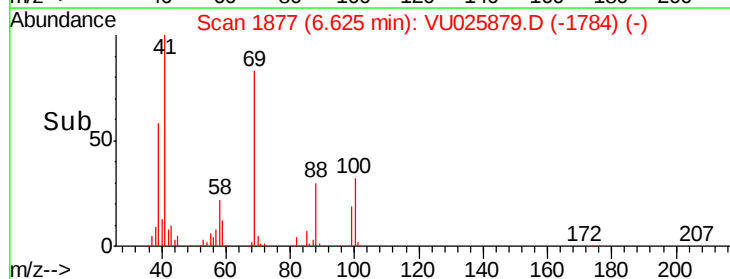
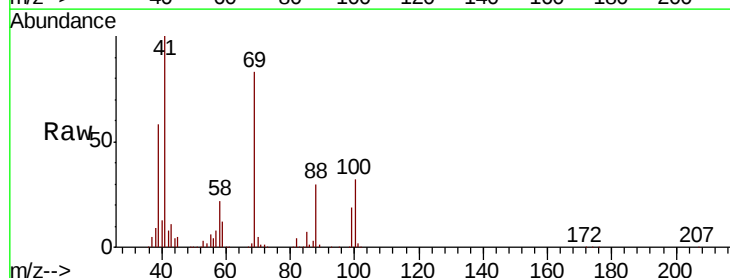
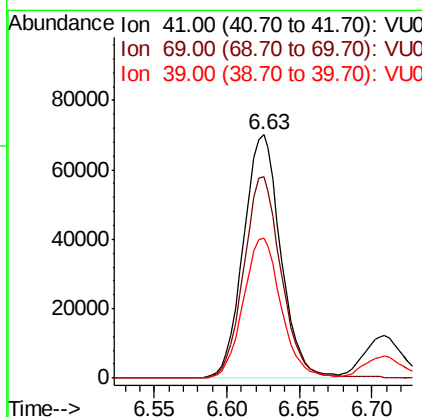
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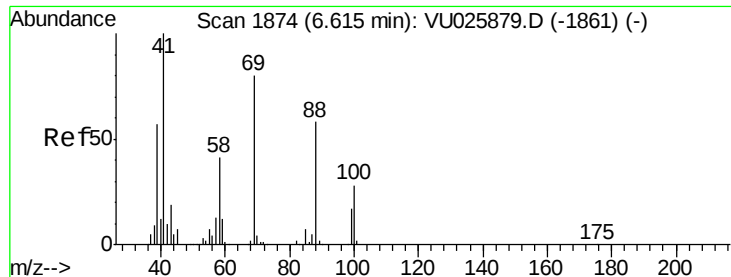
MMDadoda
 8/7/2018 1:51:34 PM



#48
 Methyl methacrylate
 Concen: 53.33 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	41	Resp	125117
Ion Ratio	100	Lower	Upper
41	100		
69	83.2	65.0	97.4
39	58.3	46.4	69.6





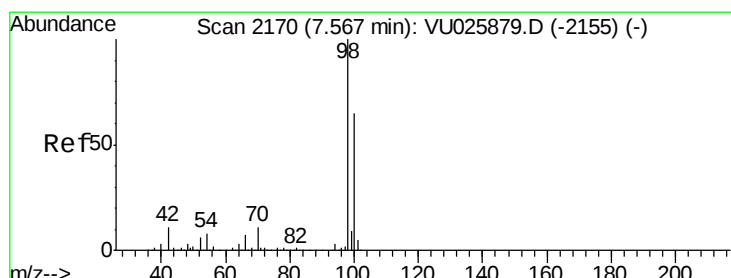
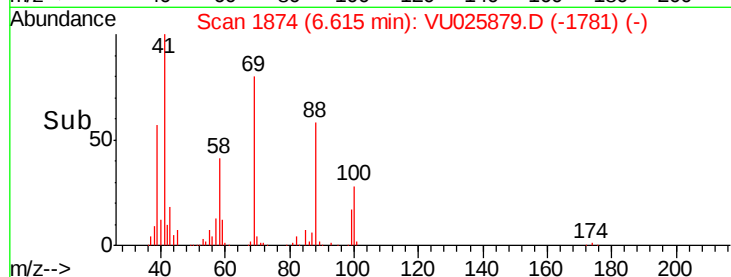
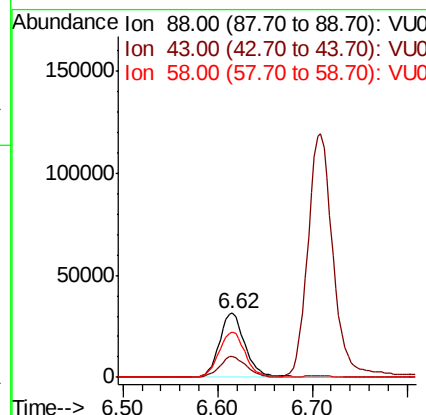
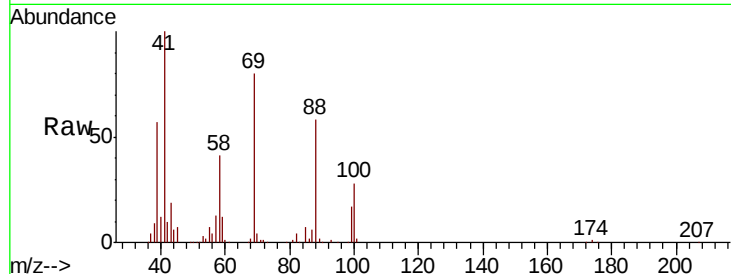
#49
 1,4-Dioxane
 Concen: 1051.28 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.3	40.9
58	71.0	57.6	86.4

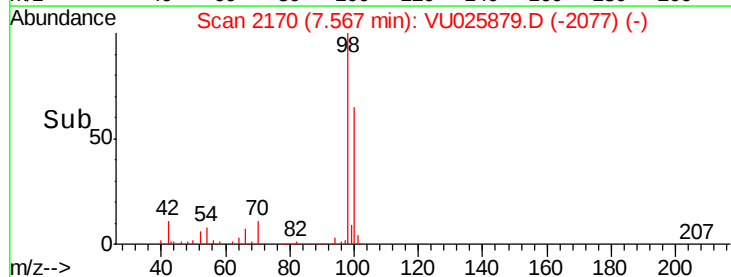
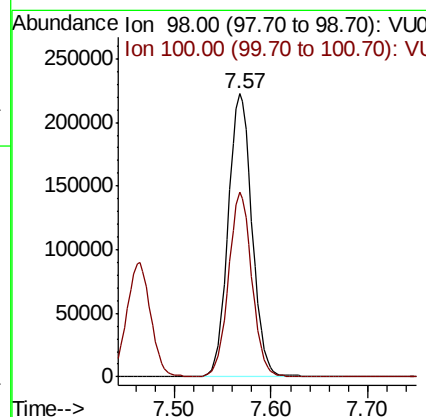
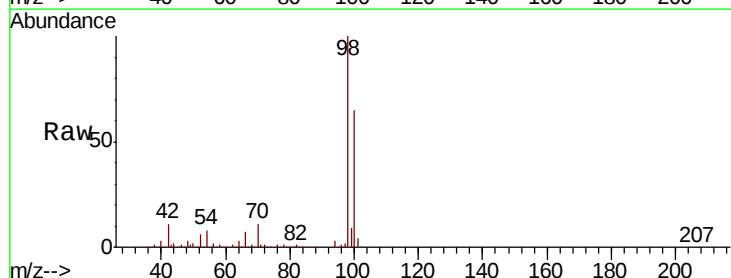
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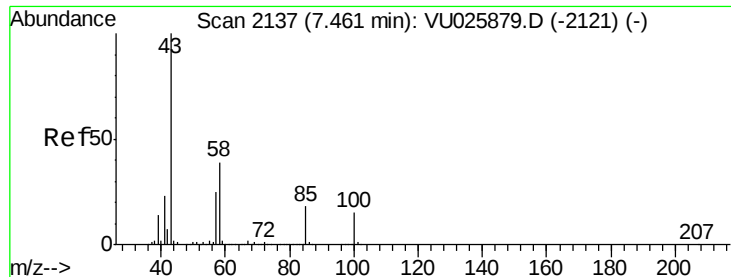
MMDadoda
 8/7/2018 1:51:34 PM



#50
 Toluene-d8
 Concen: 52.46 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.1	76.7





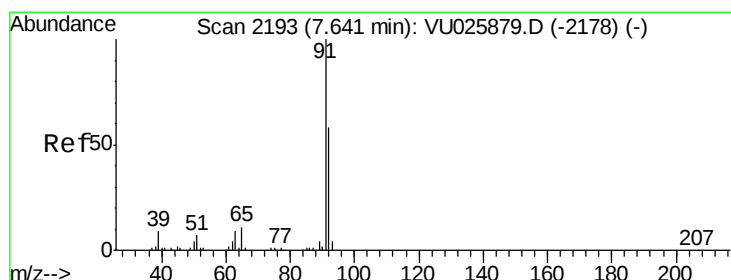
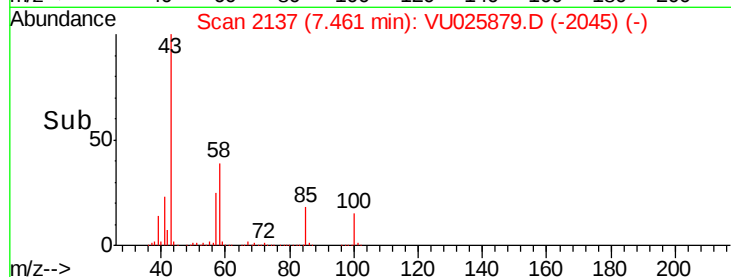
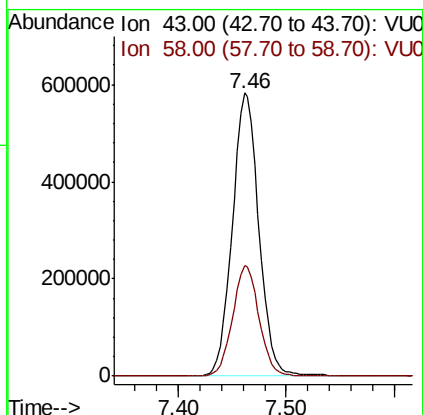
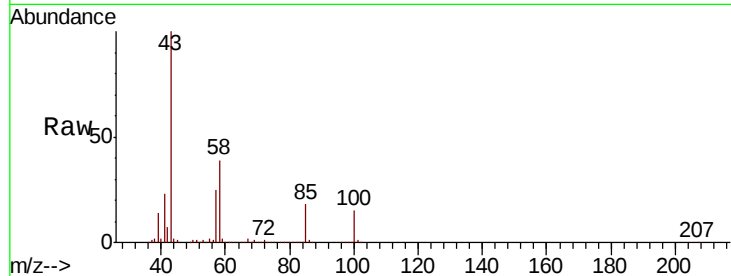
#51
4-Methyl-2-Pentanone
Concen: 333.84 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1000425
Ion Ratio Lower Upper
43 100
58 39.0 31.0 46.4

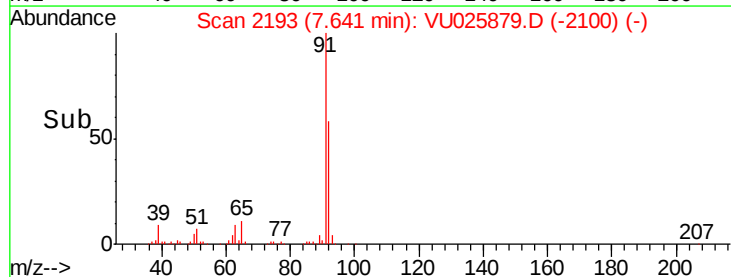
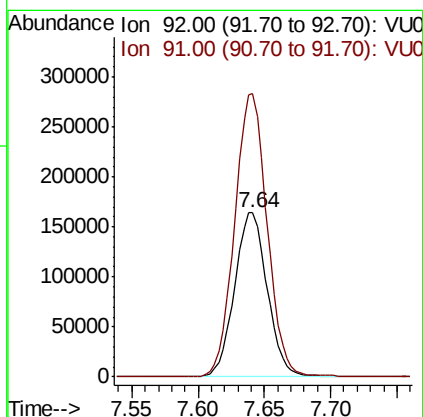
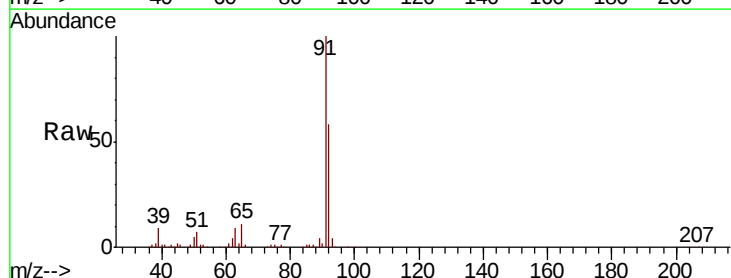
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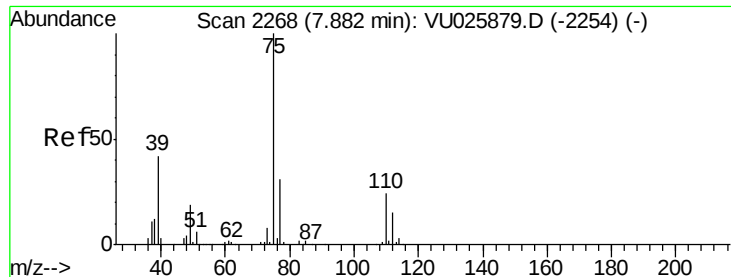
MMDadoda
8/7/2018 1:51:34 PM



#52
Toluene
Concen: 55.32 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion: 92 Resp: 280639
Ion Ratio Lower Upper
92 100
91 172.2 139.2 208.8





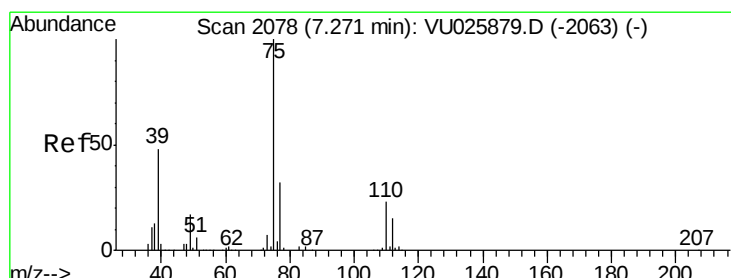
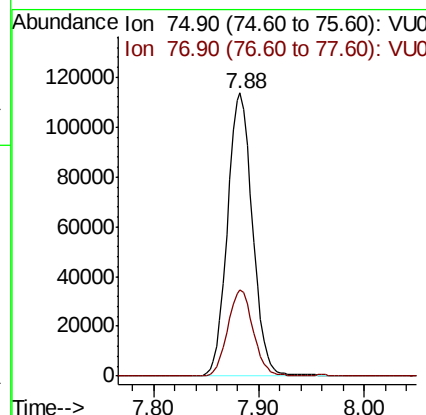
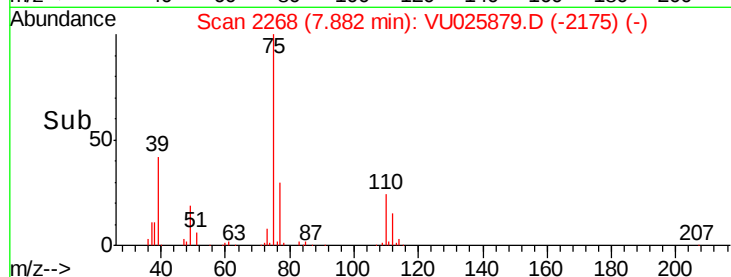
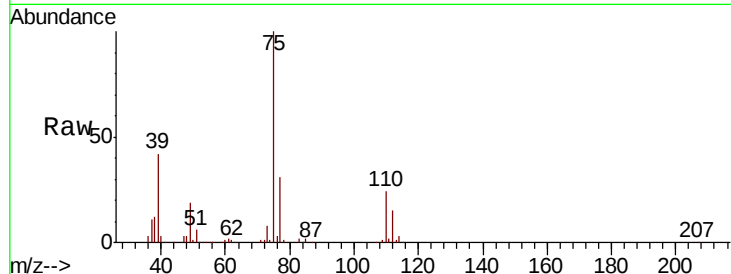
#53
t-1,3-Dichloropropene
Concen: 56.59 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7

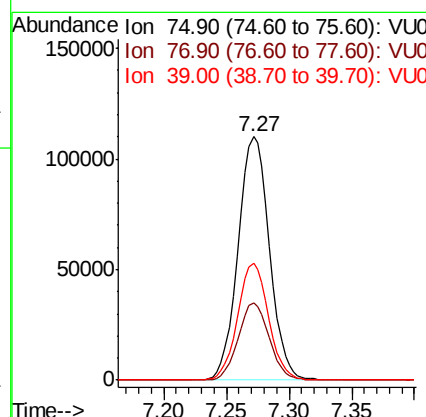
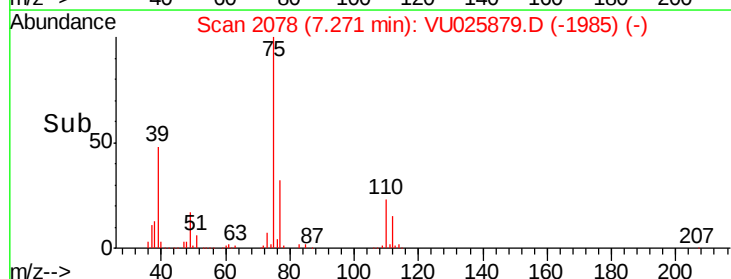
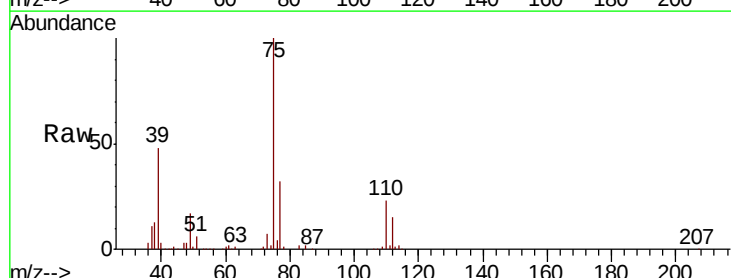
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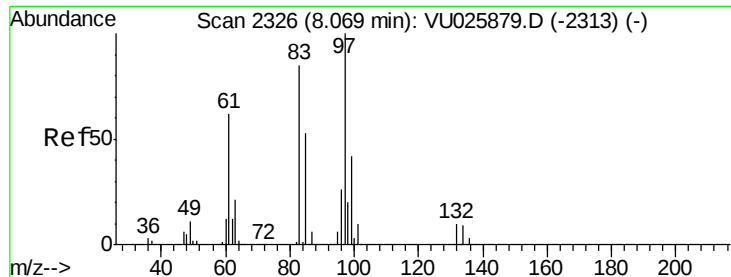
MMDadoda
8/7/2018 1:51:34 PM



#54
cis-1,3-Dichloropropene
Concen: 56.42 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	47.8	40.0	60.0





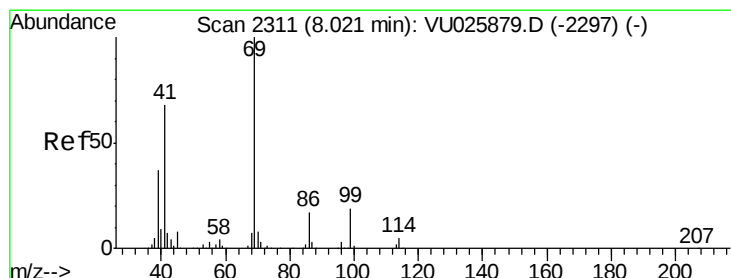
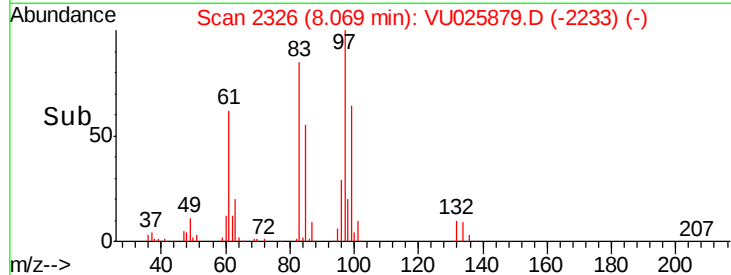
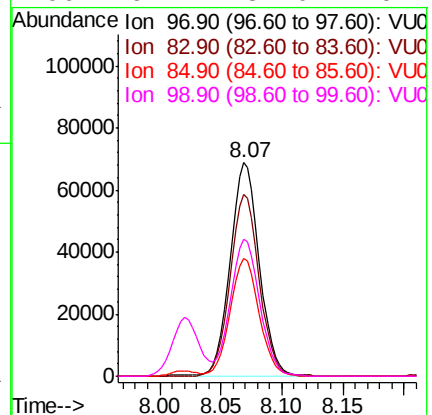
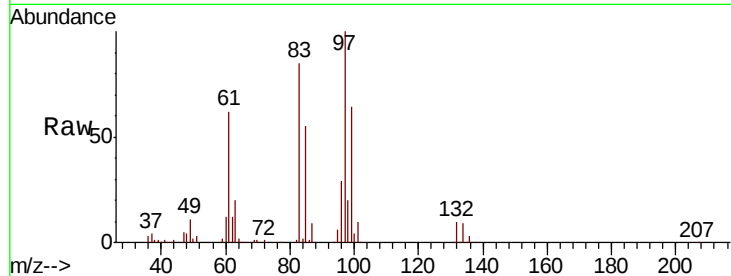
#55
 1,1,2-Trichloroethane
 Concen: 54.58 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	115063
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.9	103.3
85	55.0	44.4	66.6
99	64.1	51.0	76.4

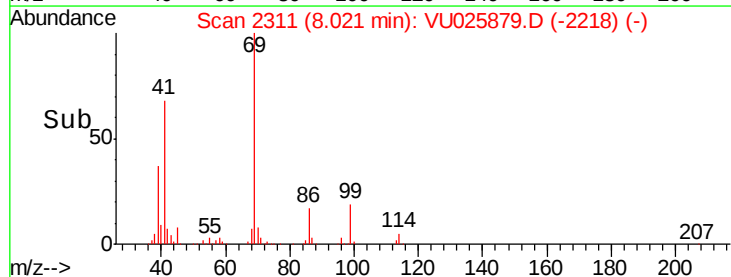
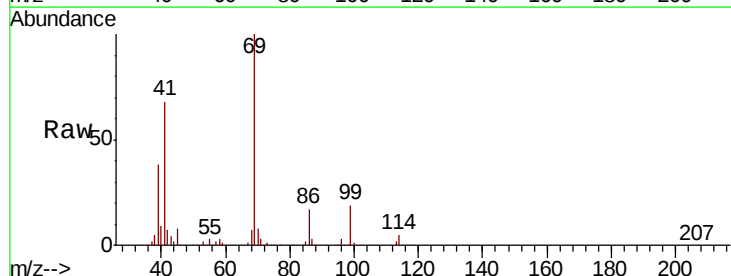
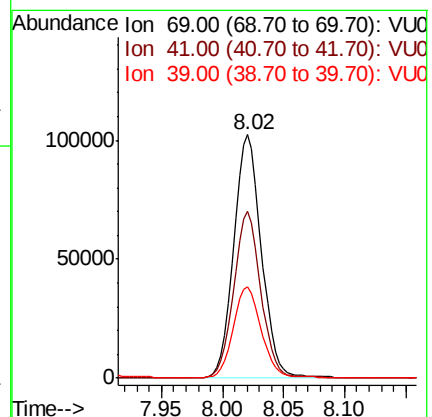
Manual Integrations
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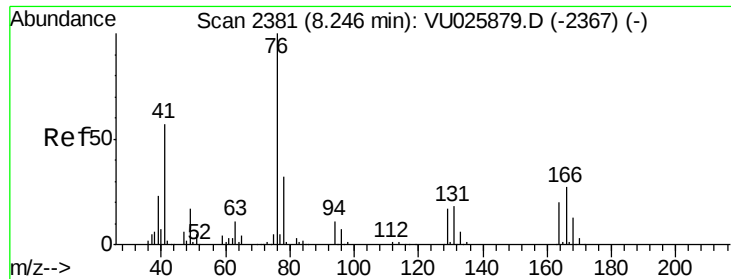
MMDadoda
 8/7/2018 1:51:34 PM



#56
 Ethyl methacrylate
 Concen: 53.85 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion:	69	Resp:	162209
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.8	82.2
39	38.0	31.1	46.7





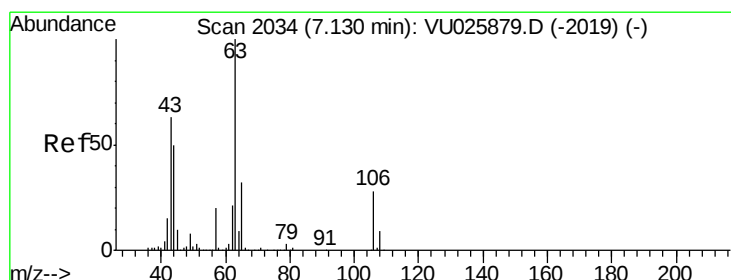
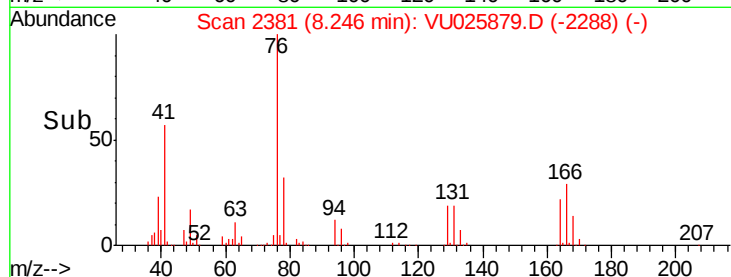
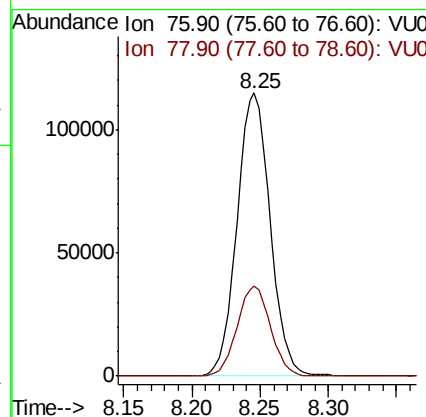
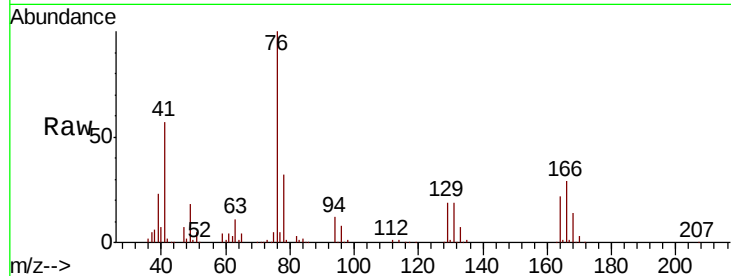
#57
 1,3-Dichloropropane
 Concen: 54.67 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

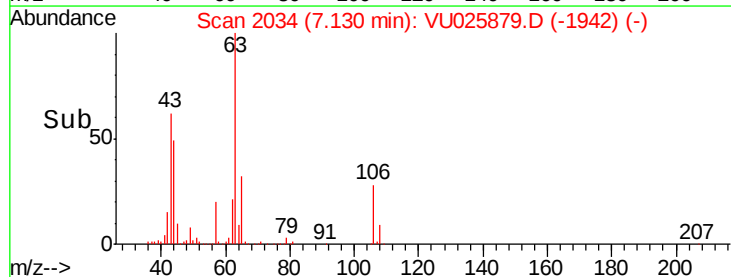
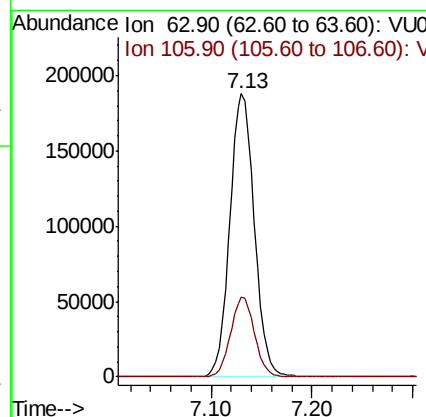
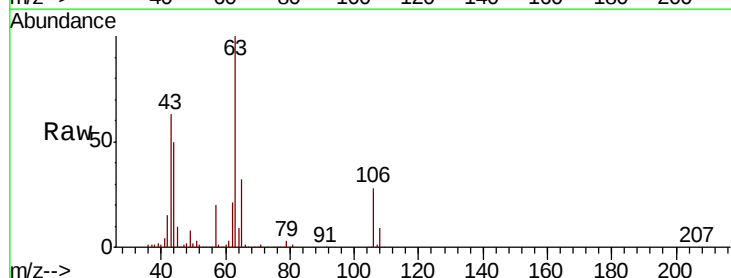
Manual Integrations
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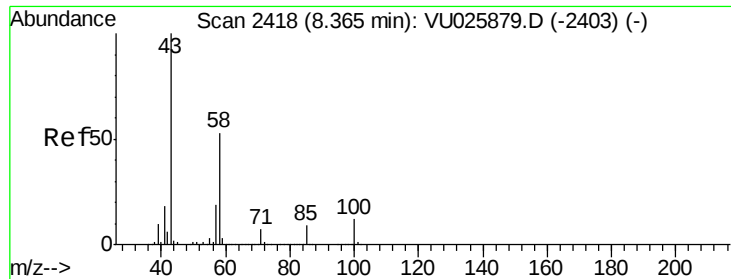
MMDadoda
 8/7/2018 1:51:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.28 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.3	33.5





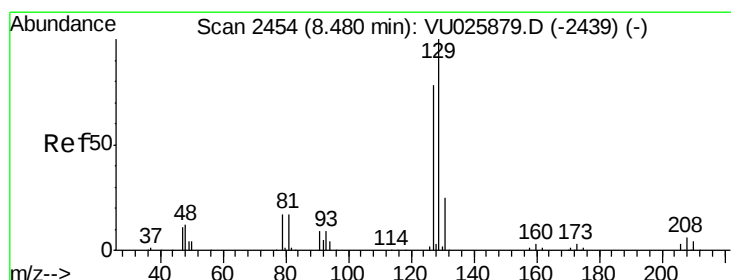
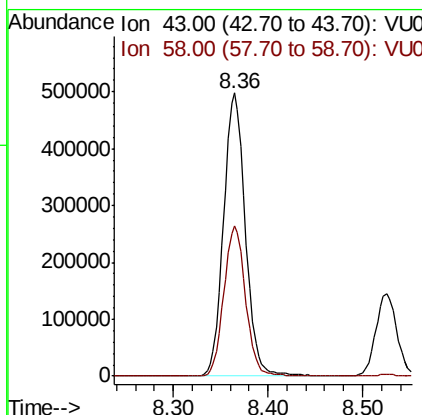
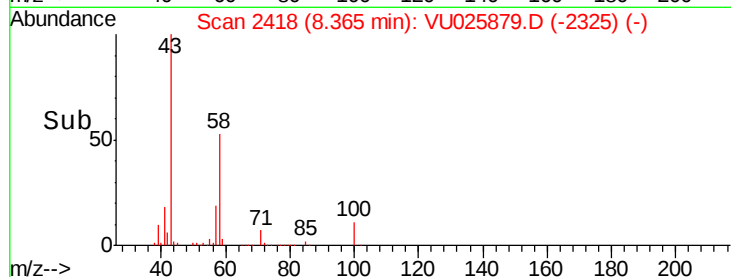
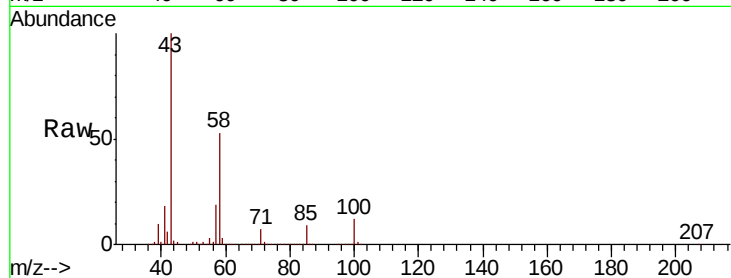
#59
2-Hexanone
Concen: 339.55 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 797640
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5

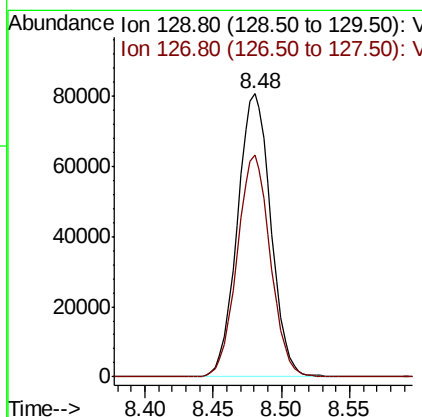
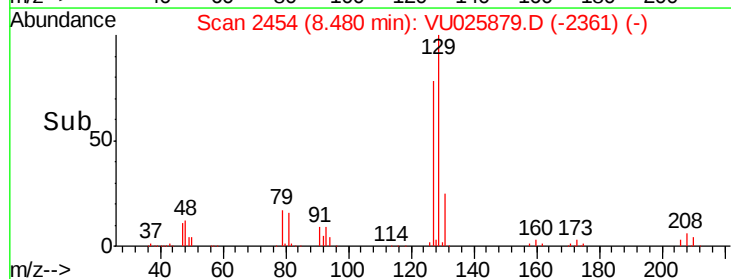
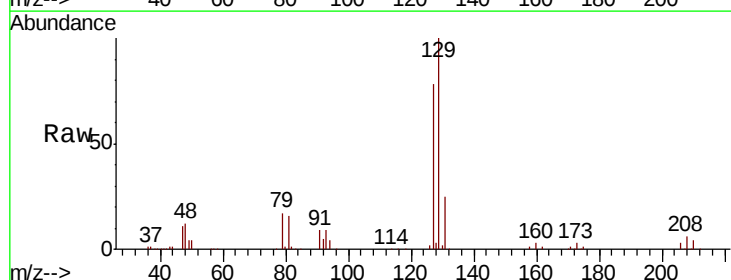
Manual Integrations
APPROVED

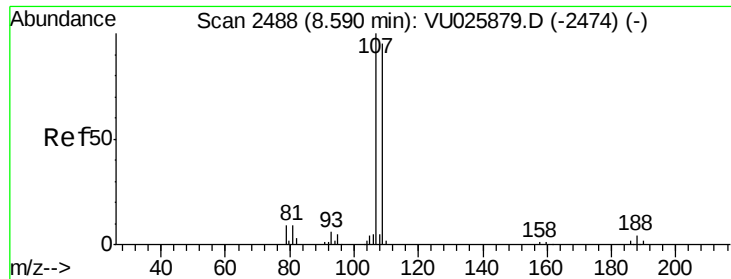
MMDadoda
8/7/2018 1:51:34 PM



#60
Dibromochloromethane
Concen: 55.21 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion: 129 Resp: 137258
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 54.07 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 126782

Ion Ratio Lower Upper

107 100

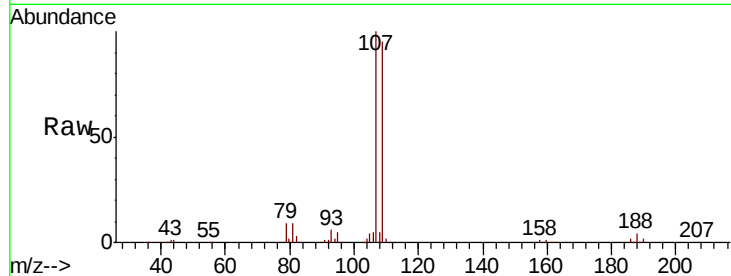
109 94.6 75.8 113.8

Manual Integrations

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8/7/2018 1:51:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

80000

60000

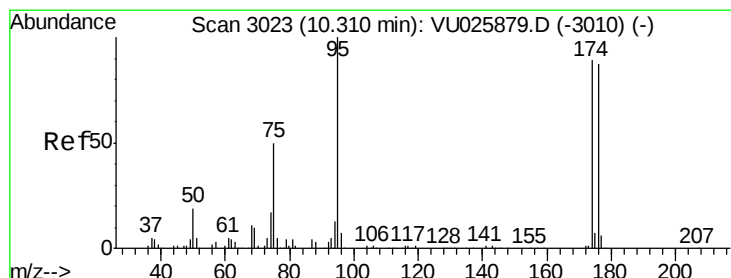
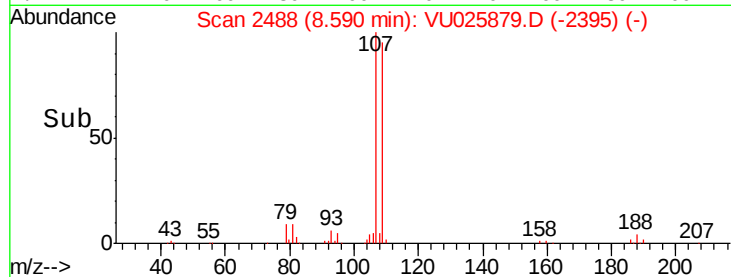
40000

20000

0

Time-->

8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 51.67 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

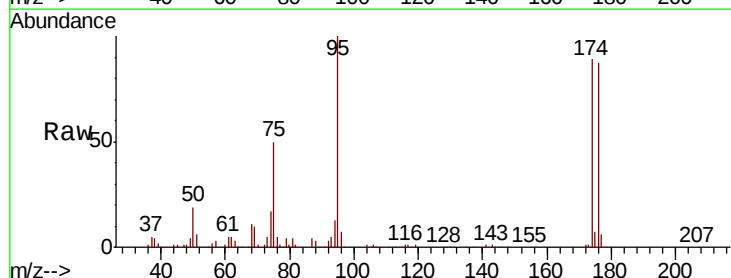
Tgt Ion: 95 Resp: 145917

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

176 86.0 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

120000

100000

80000

60000

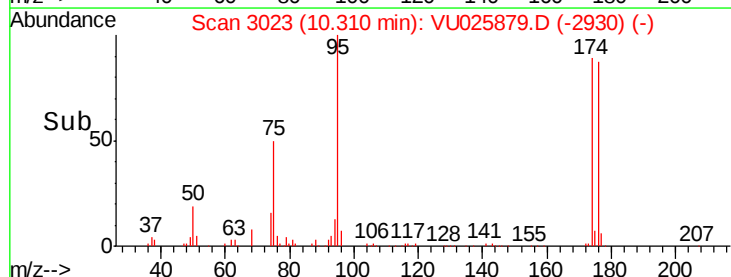
40000

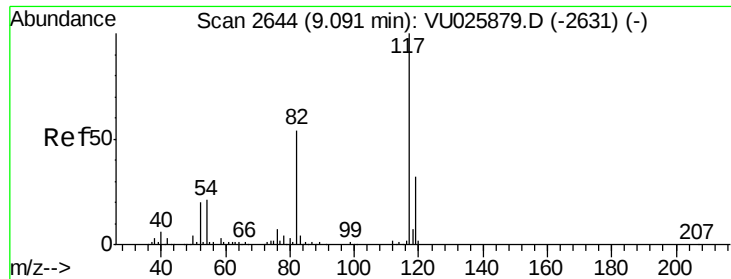
20000

0

Time-->

10.30 10.40





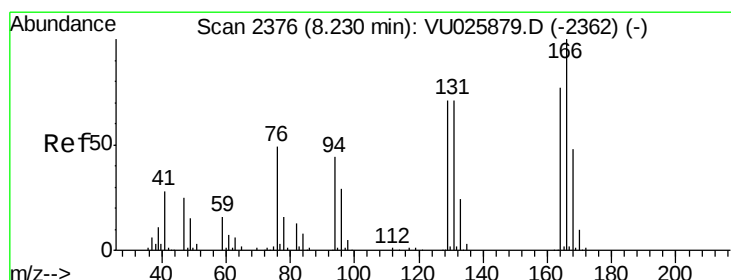
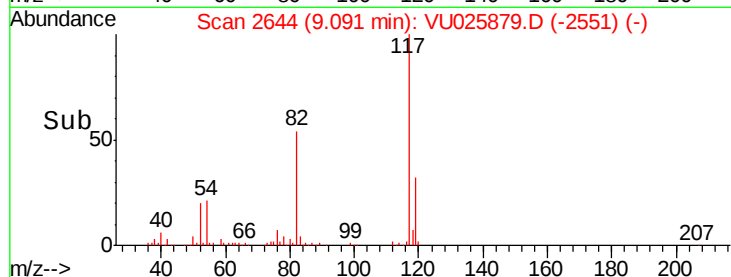
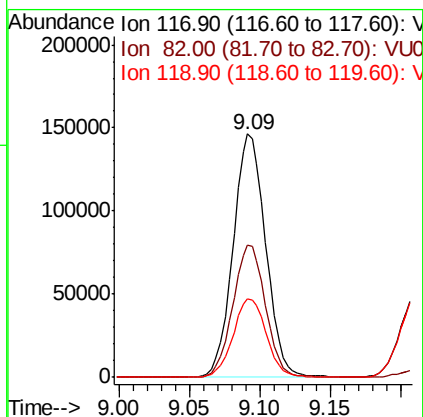
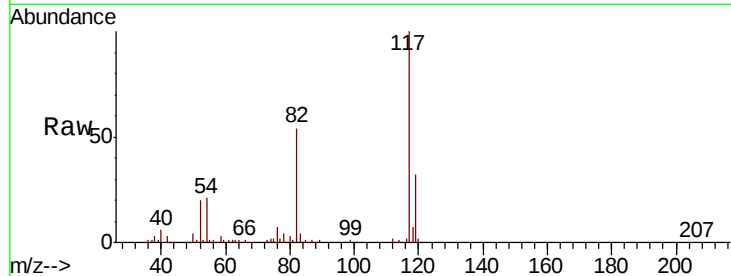
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236647		
82	54.4	46.0	69.0	
119	32.2	26.0	39.0	

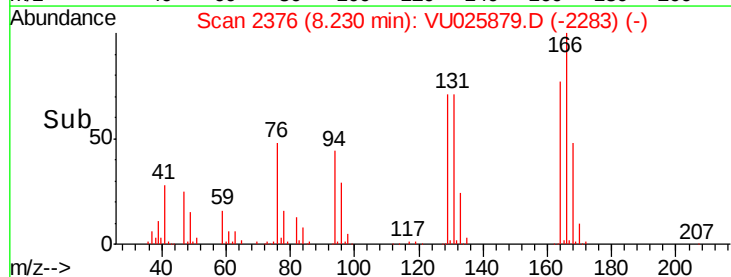
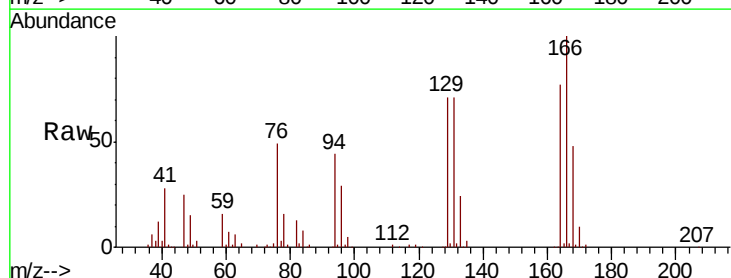
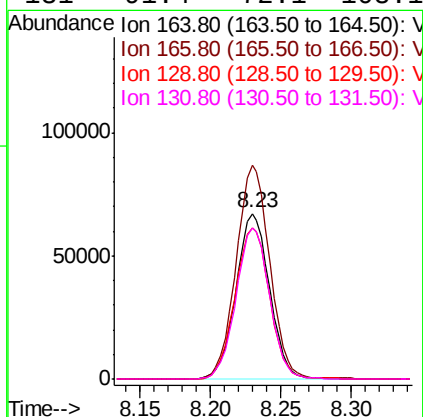
Manual Integrations
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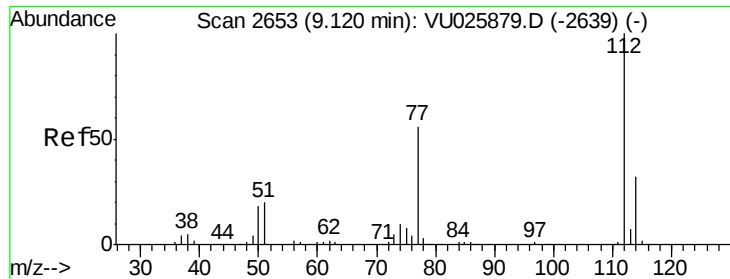
MMDadoda
8/7/2018 1:51:34 PM



#64
Tetrachloroethene
Concen: 53.73 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111917		
166	129.2	101.1	151.7	
129	91.2	73.0	109.6	
131	91.4	72.1	108.1	





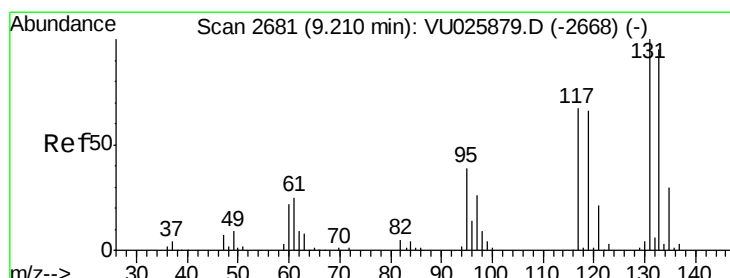
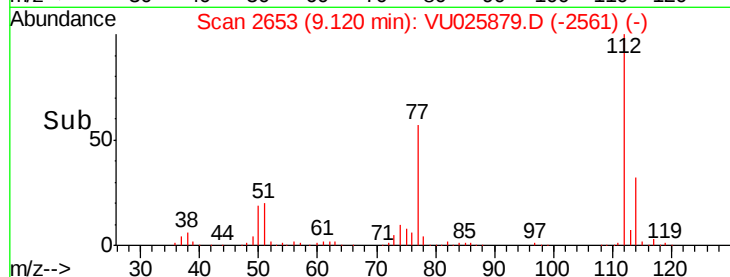
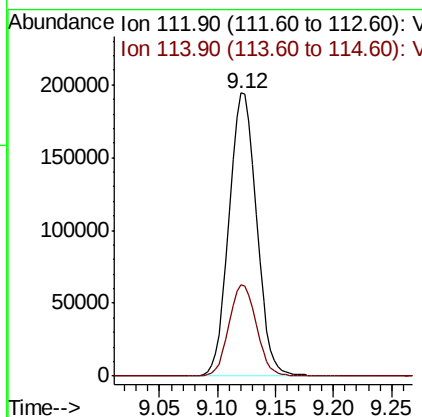
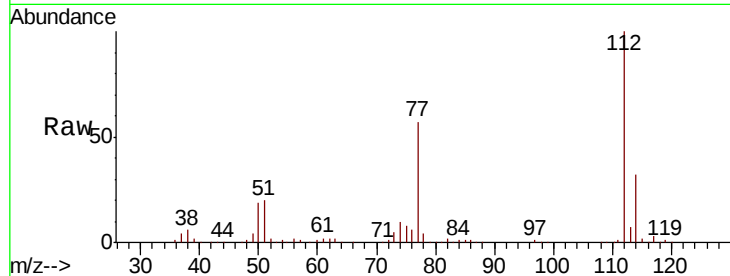
#65
Chlorobenzene
Concen: 52.39 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.8

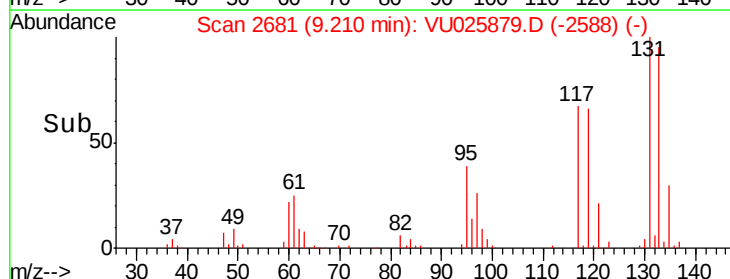
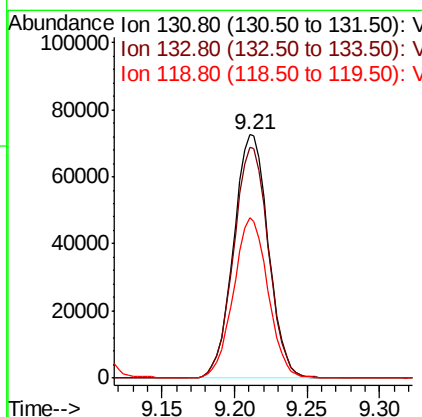
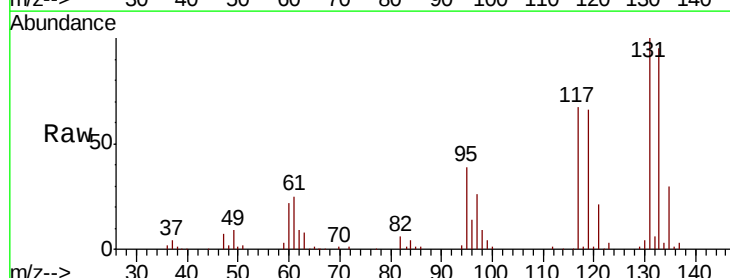
Manual Integrations
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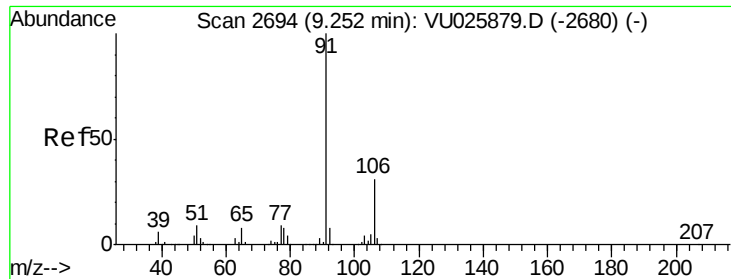
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.69 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	65.4	31.6	95.0





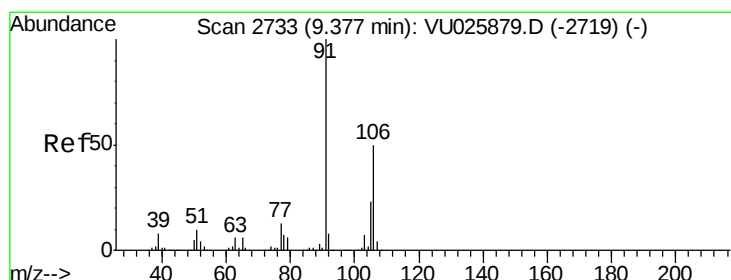
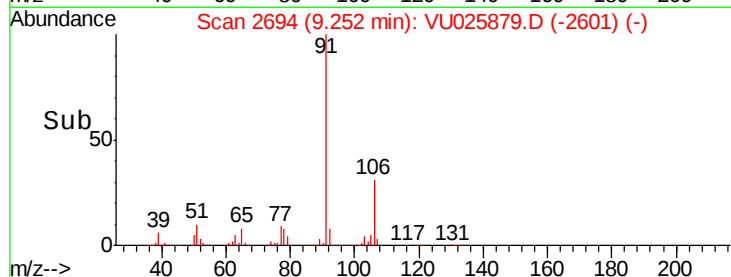
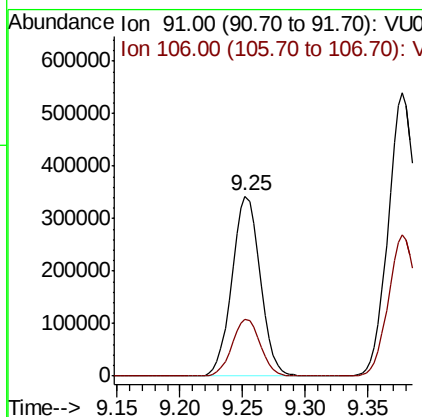
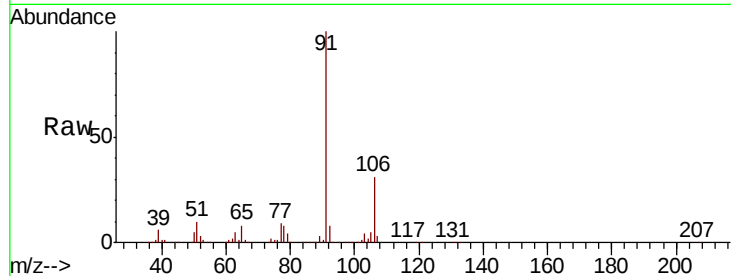
#67
Ethyl Benzene
Concen: 53.32 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

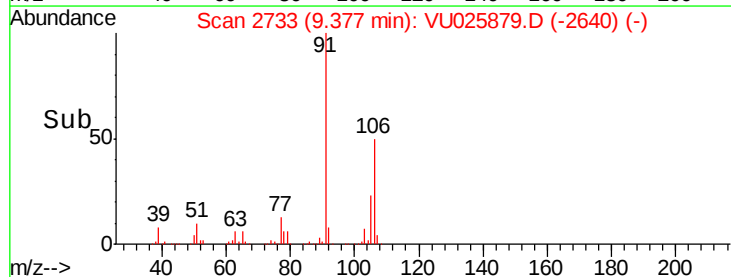
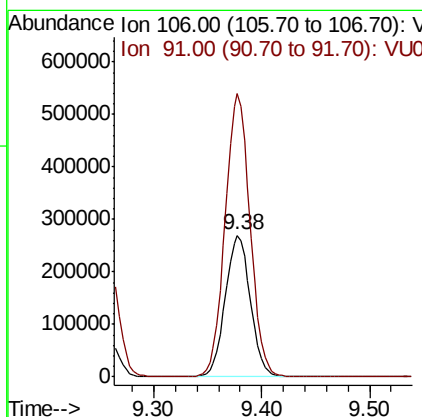
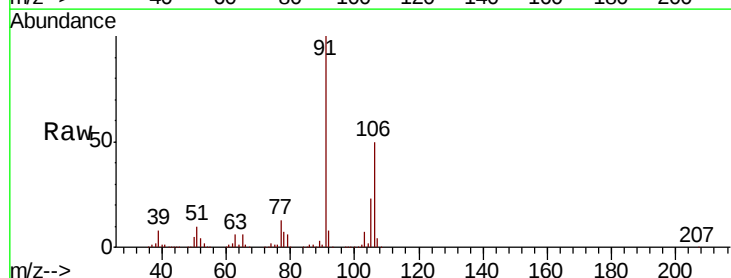
Manual Integrations
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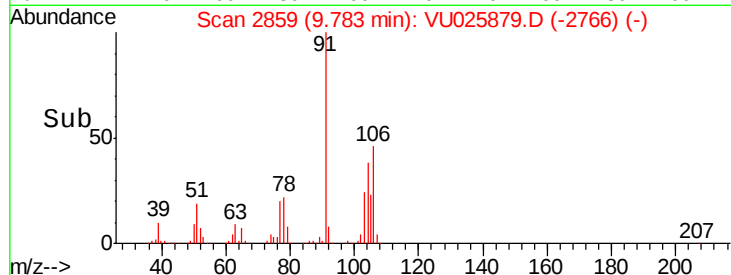
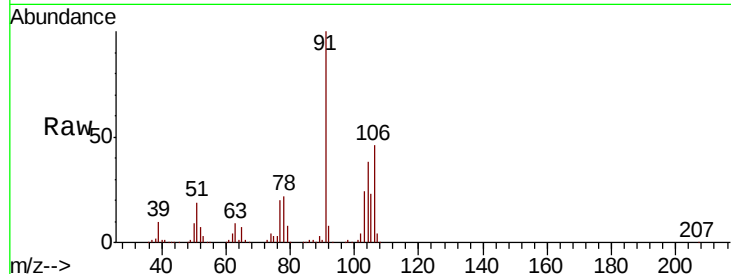
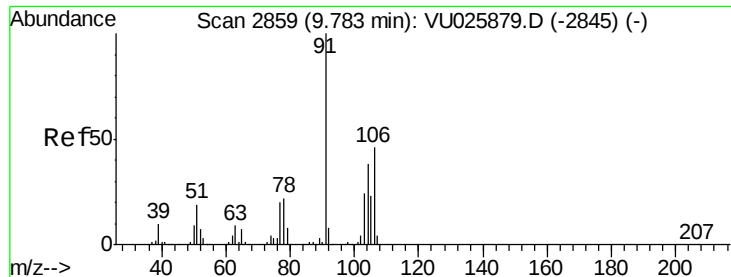
MMDadoda
8/7/2018 1:51:34 PM



#68
m/p-Xylenes
Concen: 112.47 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.5	162.3	243.5





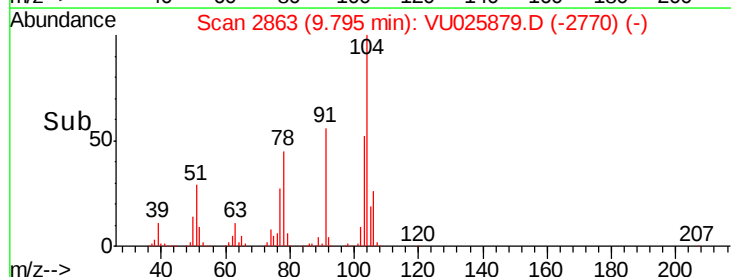
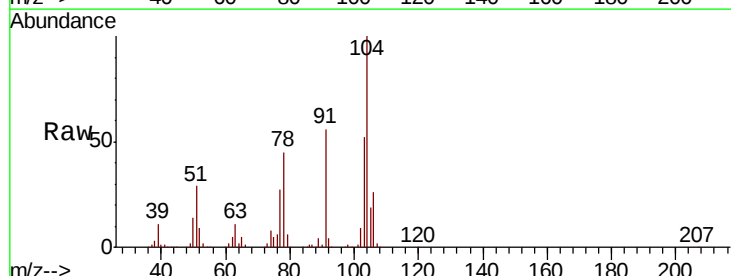
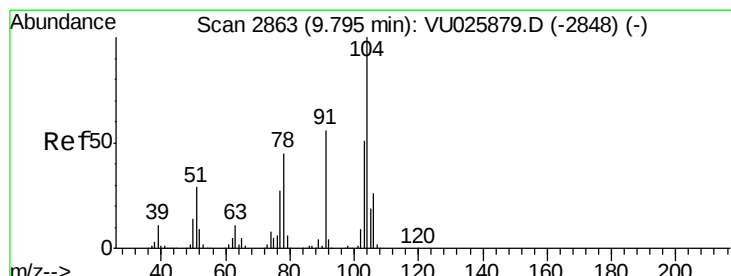
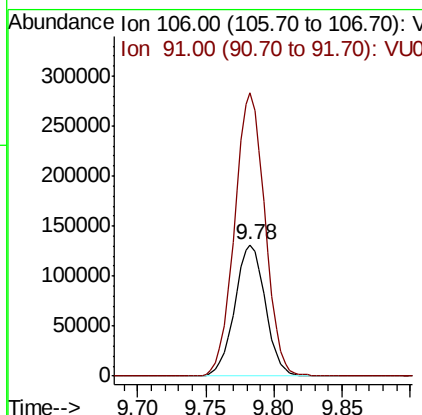
#69
o-Xylene
Concen: 53.70 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tot Ion	Ratio	Resp	Lower	Upper
106	100	203638		
91	215.1	105.3	315.8	

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

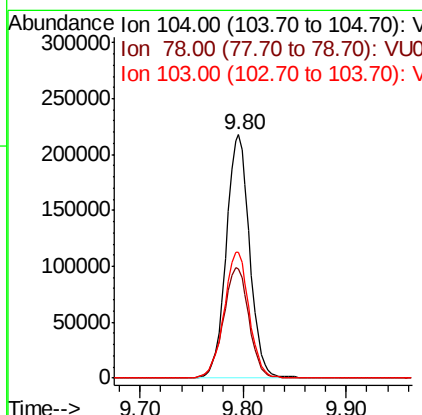
Manual Integrations
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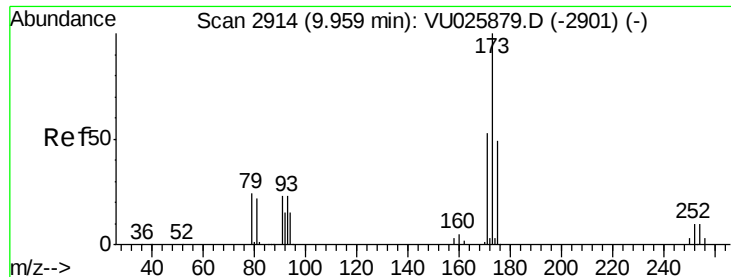
MMDadoda
8/7/2018 1:51:34 PM



#70
Styrene
Concen: 56.11 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	343673		
78	49.6	41.6	62.4	
103	55.3	44.6	66.8	





#71

Bromoform

Concen: 55.71 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

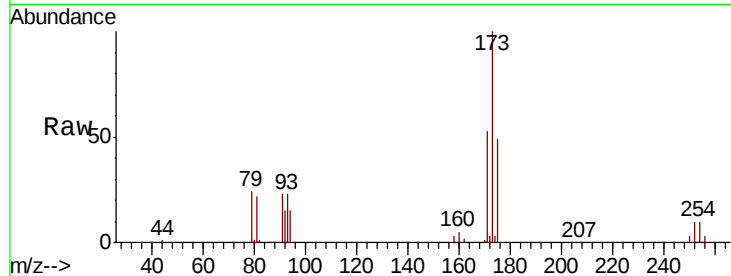
ClientSampleId :

VSTDCCC050

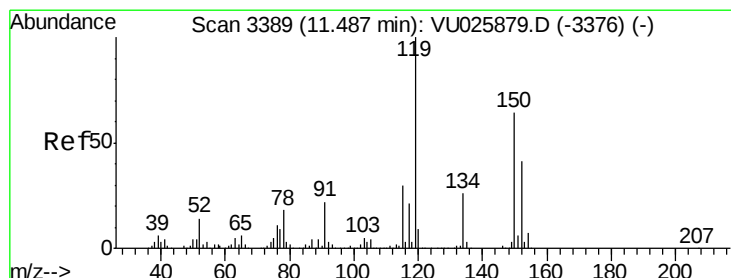
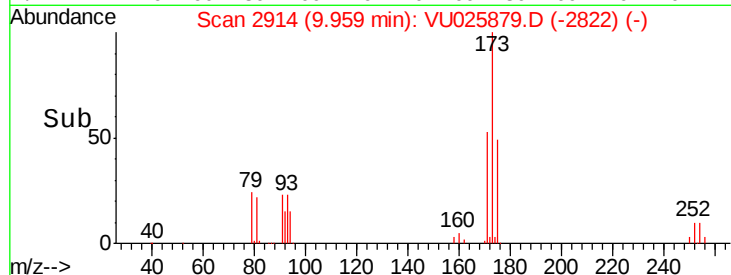
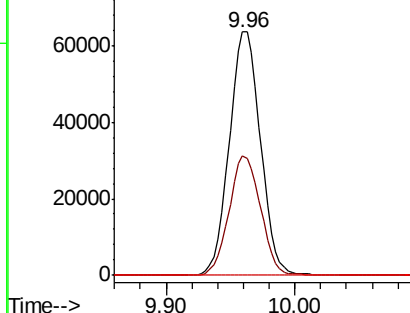
Tot Ion:	173	Resp:	106629
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.0	72.0
254	0.0	0.0	0.0#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

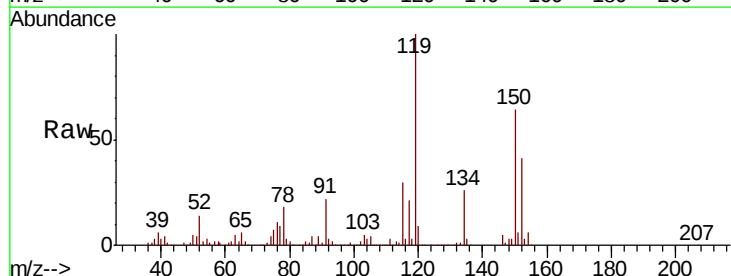
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

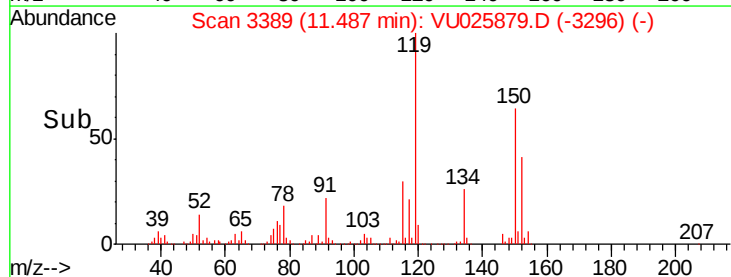
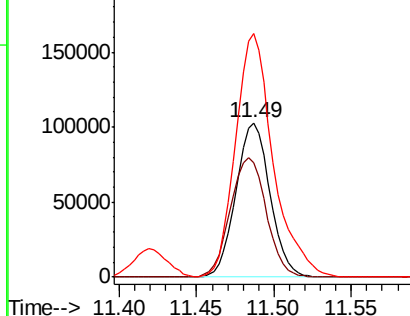
Lab File: VU025879.D

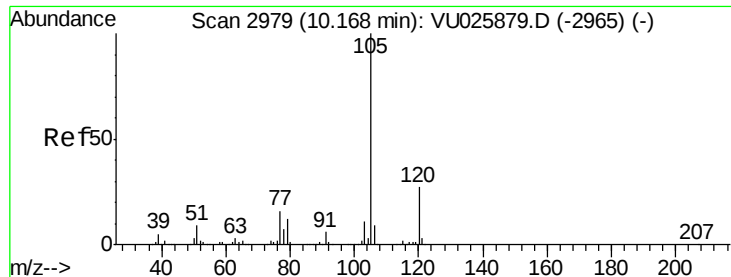
Acq: 06 Aug 2018 11:53

Tgt Ion:	152	Resp:	157110
Ion Ratio	Lower	Upper	
152	100		
115	81.8	40.1	120.3
150	174.7	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.93 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 556835

Ion Ratio Lower Upper

105 100

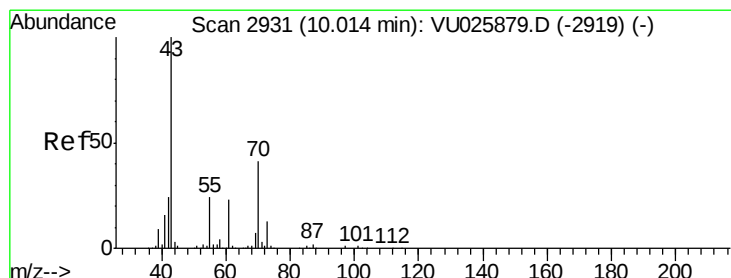
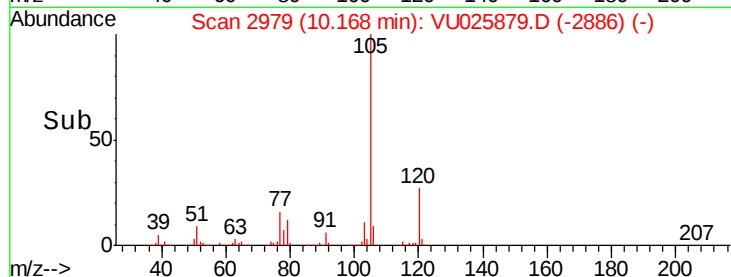
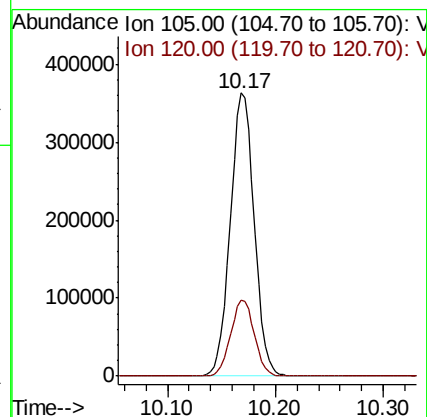
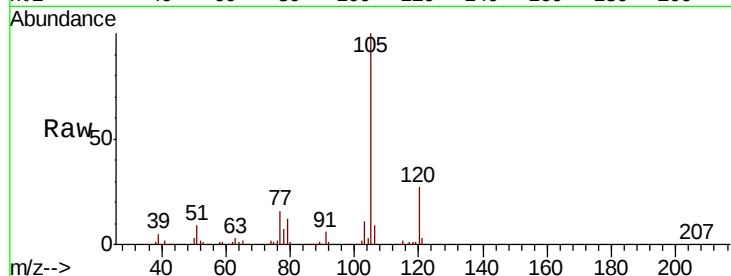
120 26.8 13.5 40.5

Manual Integrations

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8/7/2018 1:51:34 PM



#74

N-ethyl acetate

Concen: 52.36 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion: 43 Resp: 229216

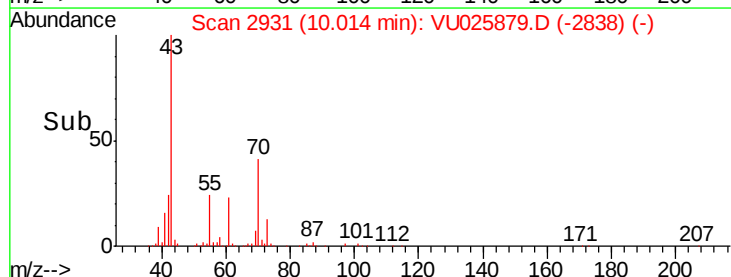
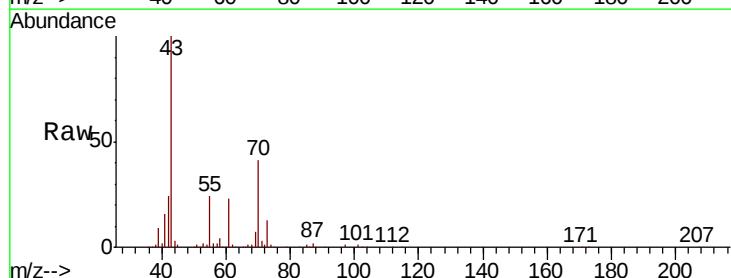
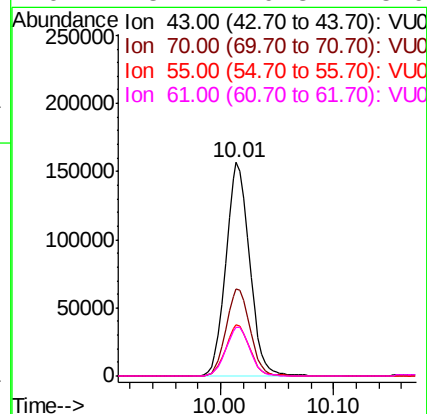
Ion Ratio Lower Upper

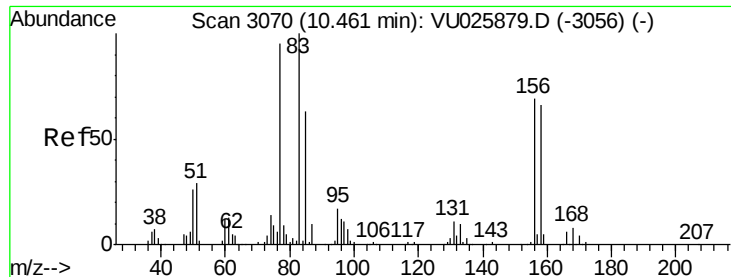
43 100

70 41.3 33.4 50.2

55 24.3 19.0 28.6

61 23.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.67 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

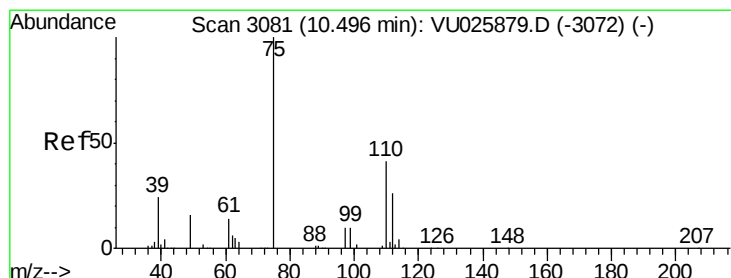
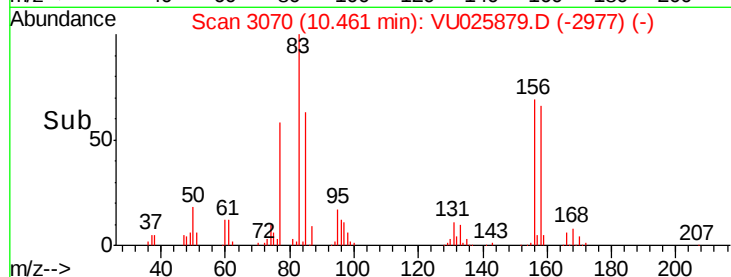
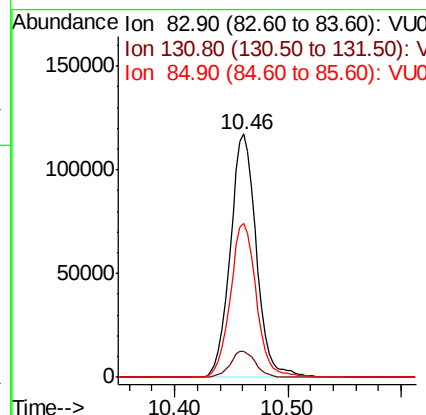
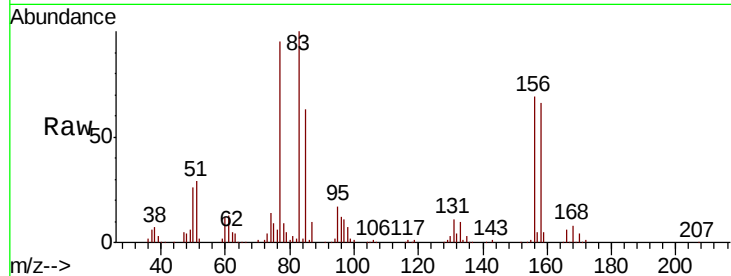
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187895
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	63.6	31.6	94.8

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 45.85 ug/l m

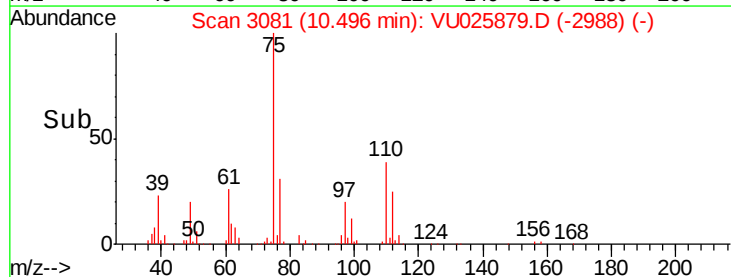
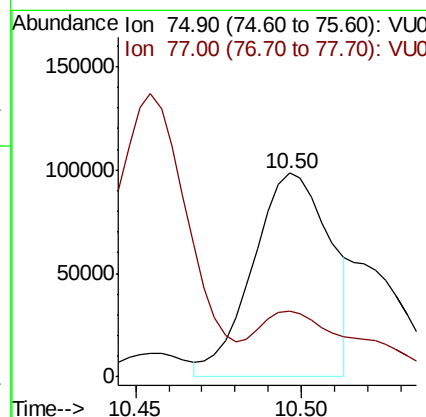
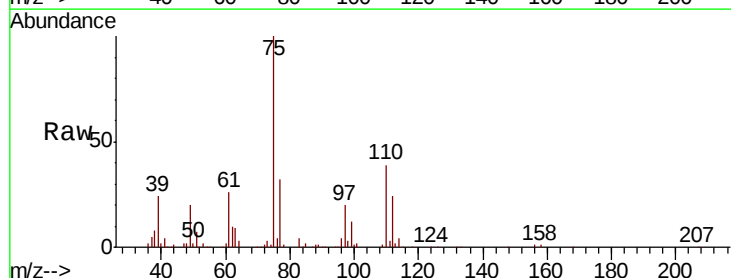
RT: 10.50 min Scan# 3081

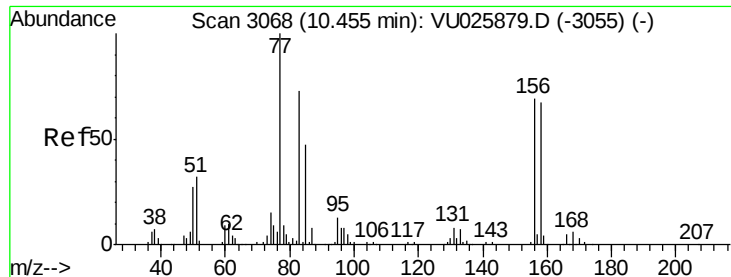
Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion:	75	Resp:	158704
Ion Ratio	Lower	Upper	
75	100		
77	44.5	20.4	61.3





#77

Bromobenzene

Concen: 50.90 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

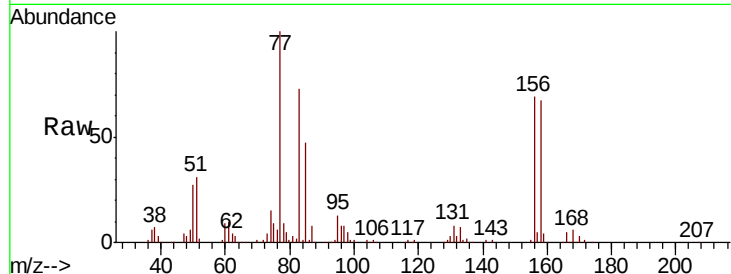
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	150560
Ion Ratio	Lower	Upper	
156	100		
77	144.6	73.8	221.4
158	95.8	48.0	144.0

Manual Integrations
APPROVED

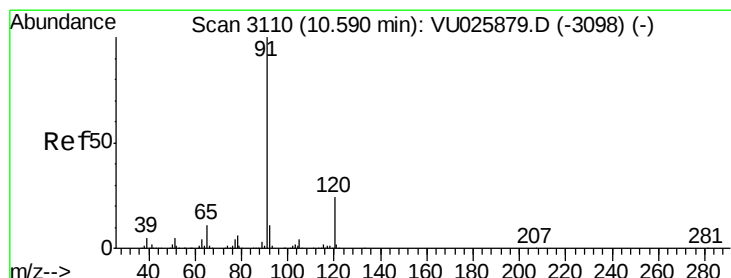
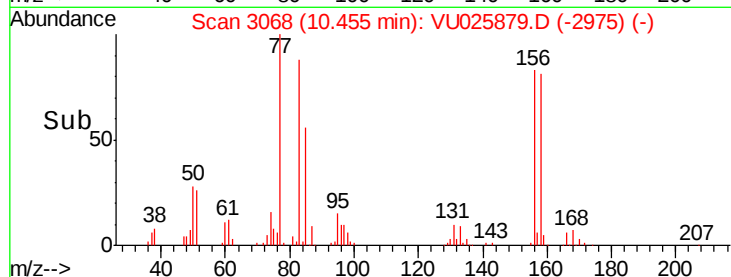
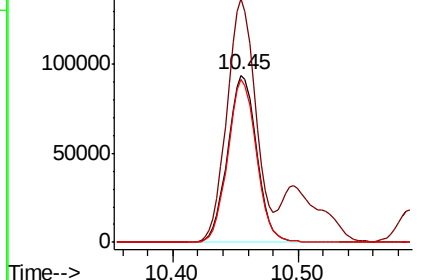
MMDadoda
8/7/2018 1:51:34 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.29 ug/l

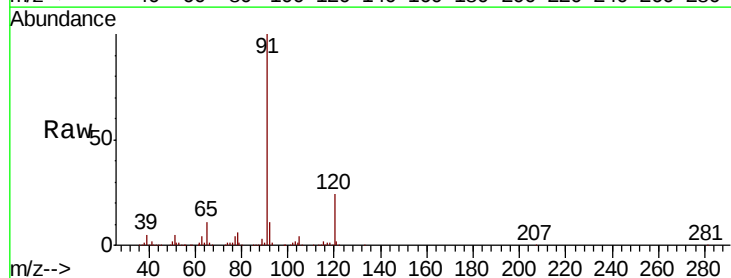
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025879.D

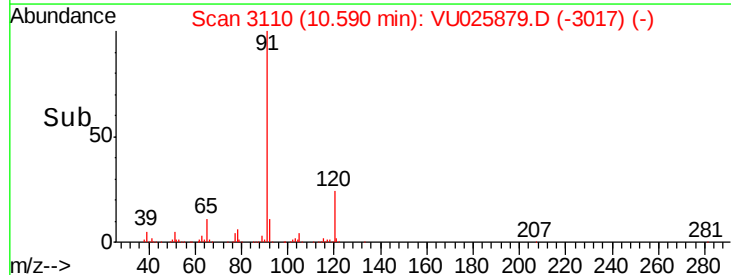
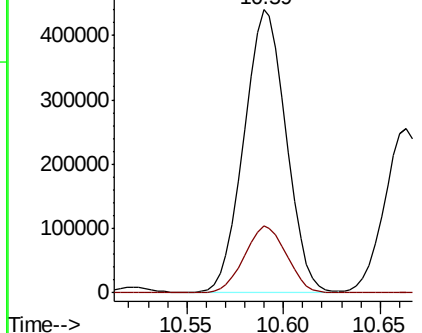
Acq: 06 Aug 2018 11:53

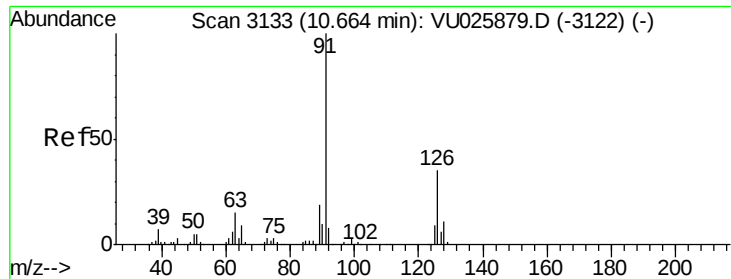
Tgt Ion:	91	Resp:	667001
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.48 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 392046

Ion Ratio Lower Upper

91 100

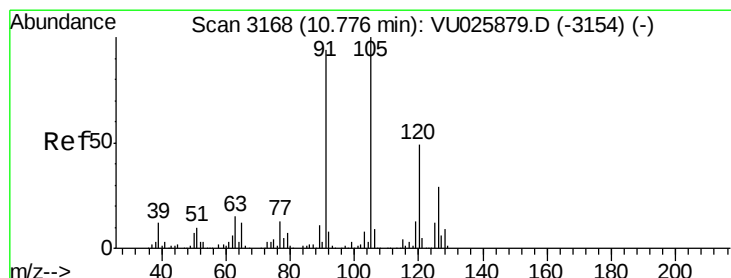
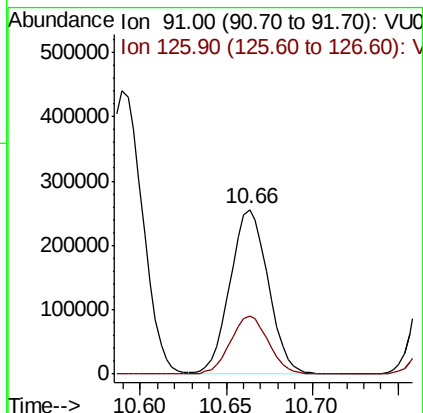
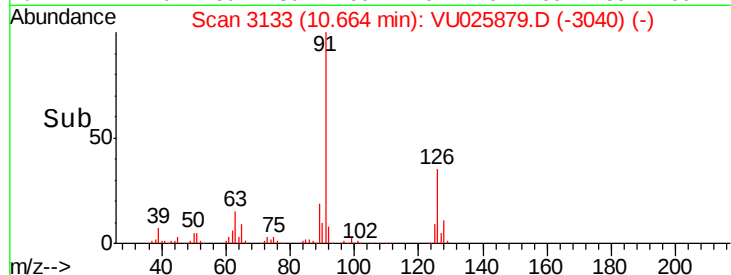
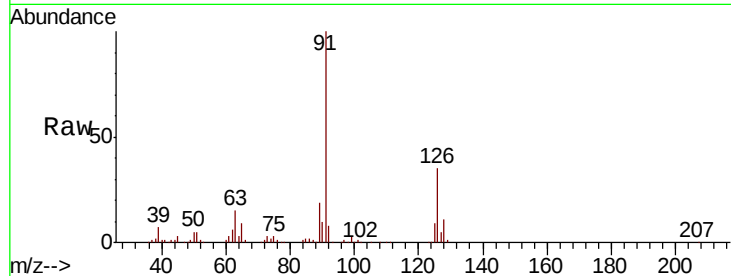
126 35.3 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.58 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025879.D

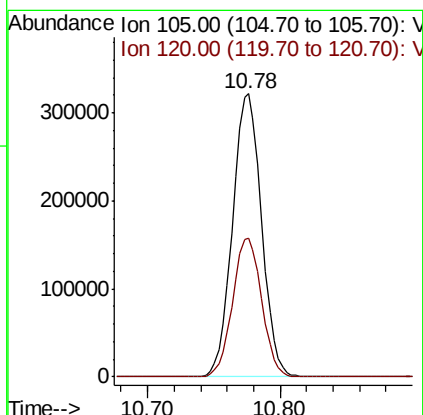
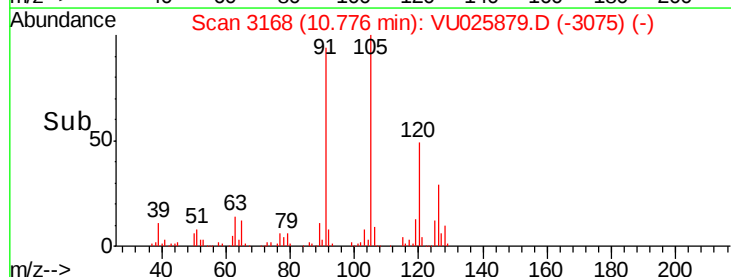
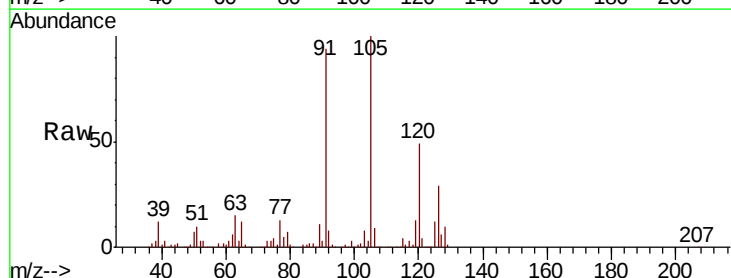
Acq: 06 Aug 2018 11:53

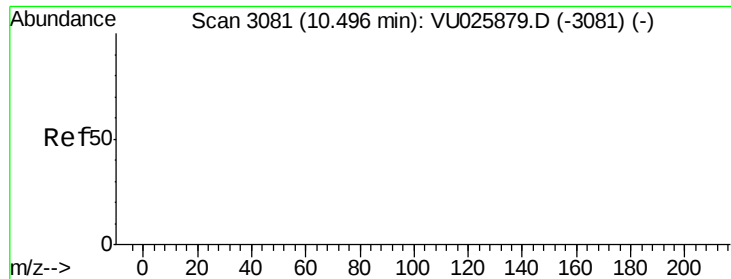
Tgt Ion: 105 Resp: 487981

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2





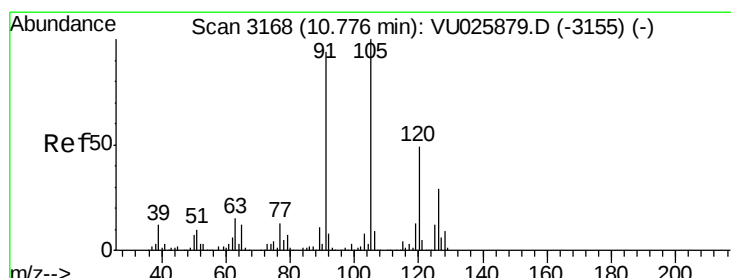
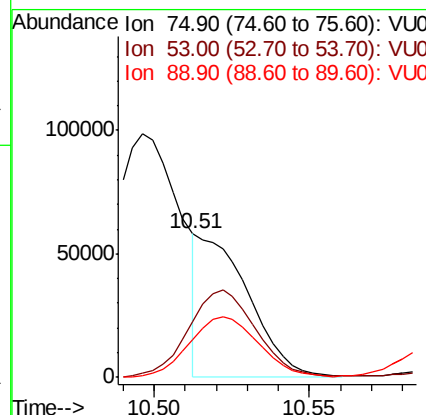
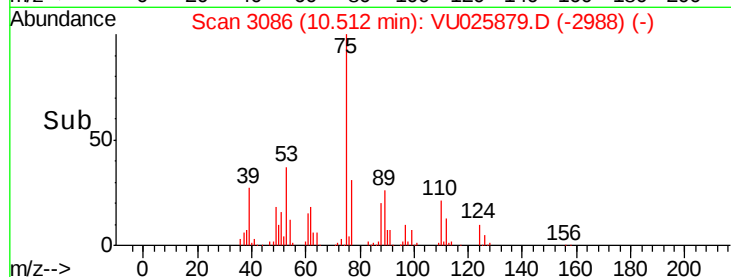
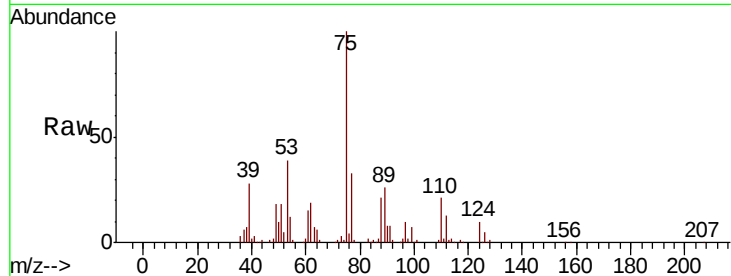
#81
trans-1,4-Dichloro-2-butene
Concen: 46.62 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

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

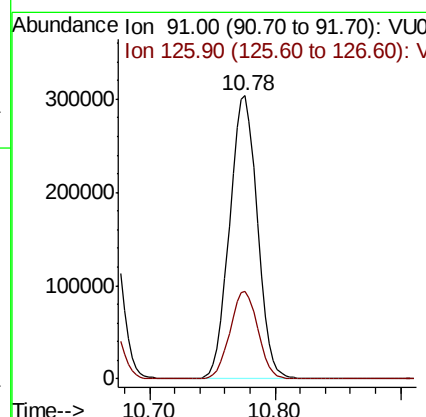
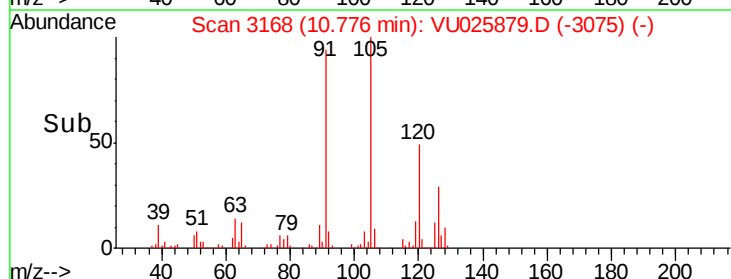
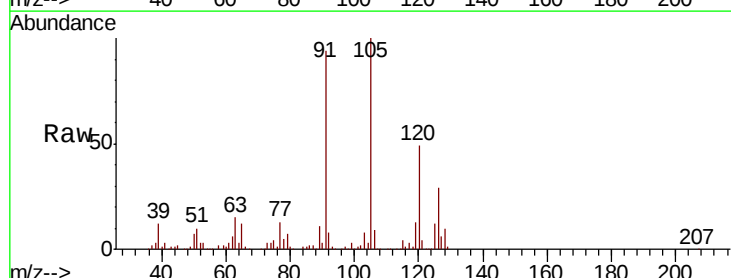
Manual Integrations
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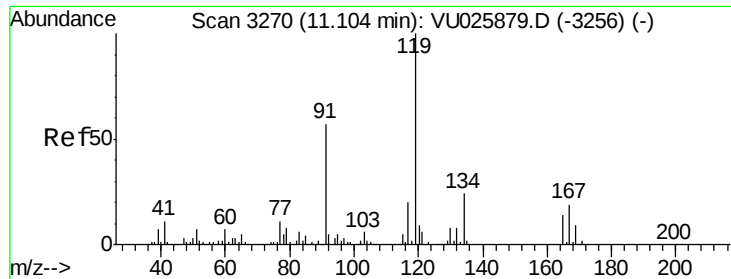
MMDadoda
8/7/2018 1:51:34 PM



#82
4-Chlorotoluene
Concen: 53.85 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





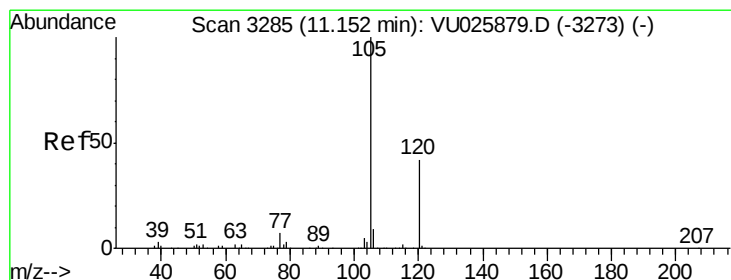
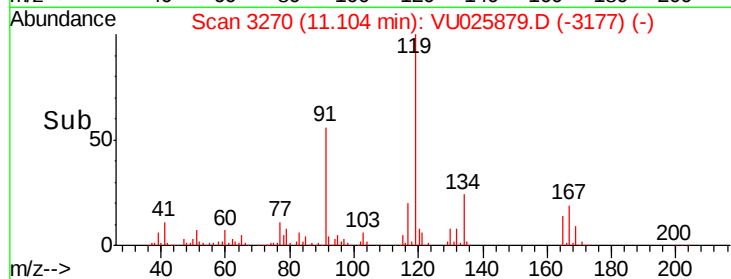
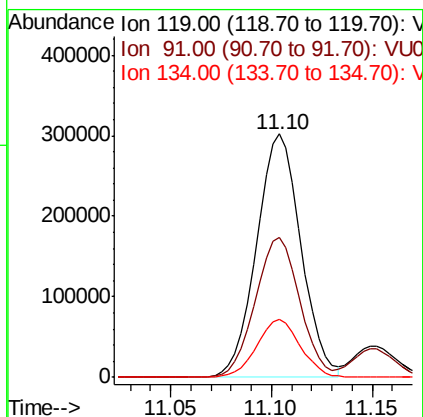
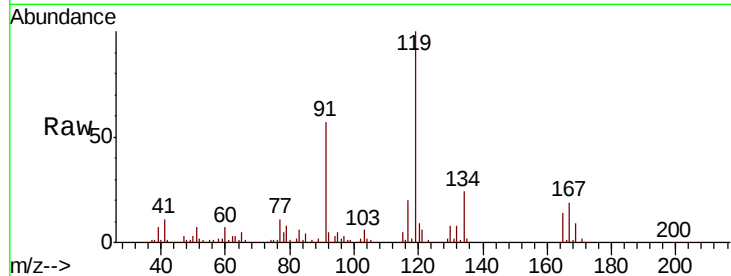
#83
 tert-Butylbenzene
 Concen: 51.32 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.7	89.1
134	23.1	11.5	34.5

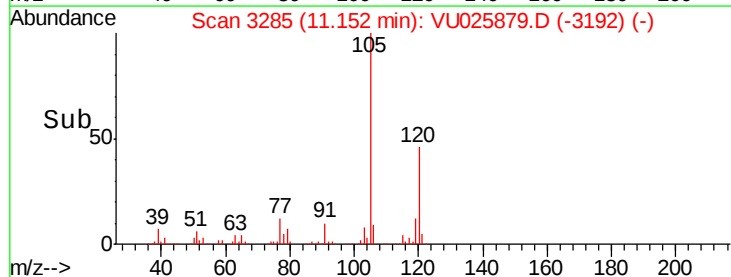
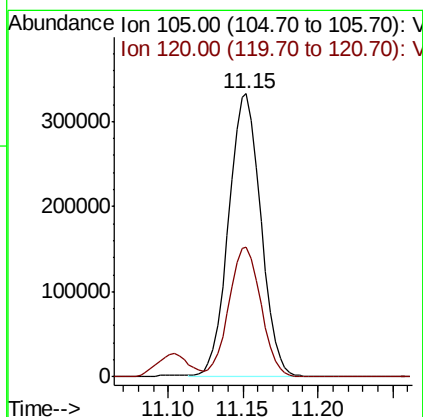
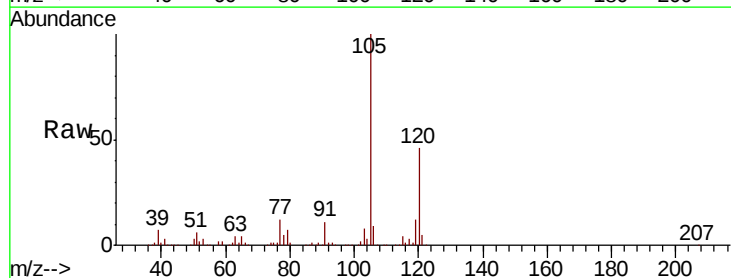
Manual Integrations
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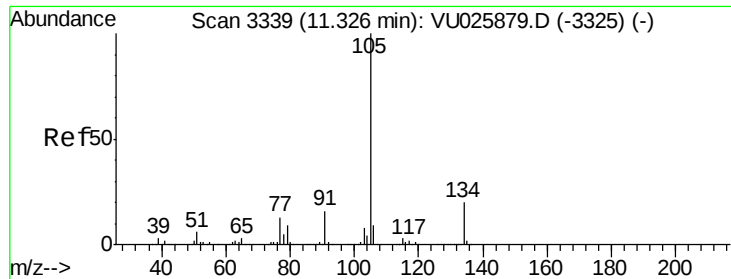
MMDadoda
 8/7/2018 1:51:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.98 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.8





#85

sec-Butylbenzene

Concen: 52.81 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 583437

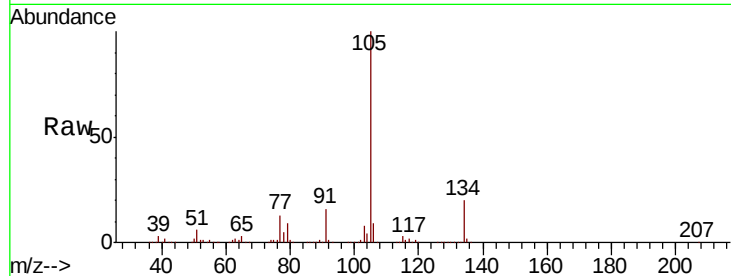
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8

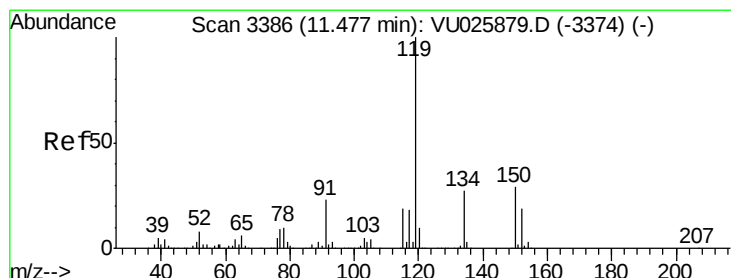
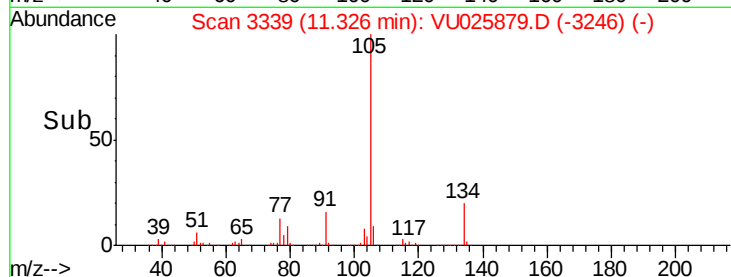
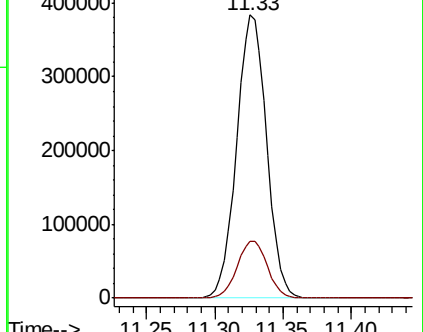
Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.57 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

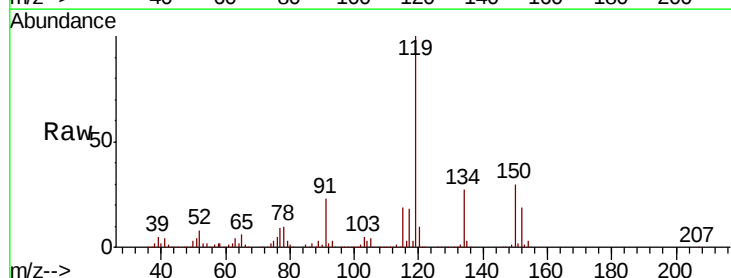
Tgt Ion:119 Resp: 529879

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

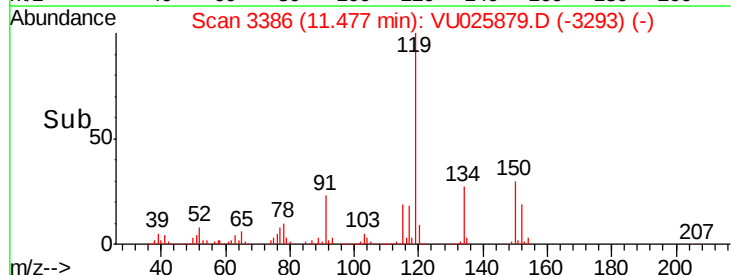
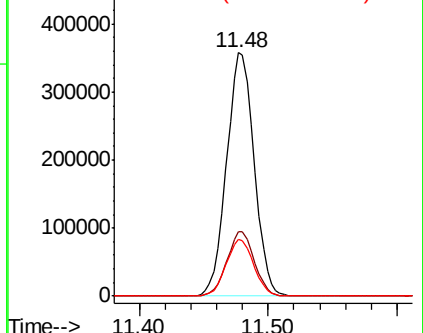
91 23.3 12.0 36.1

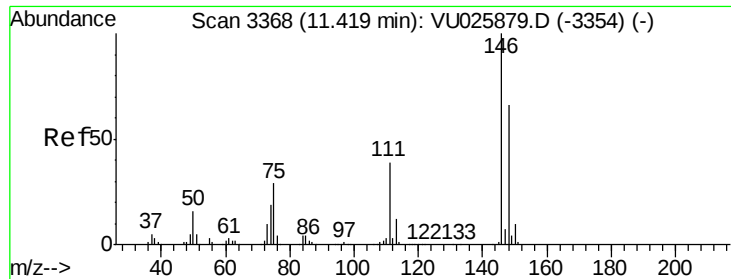


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 51.73 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Instrument :

MSVOA_U

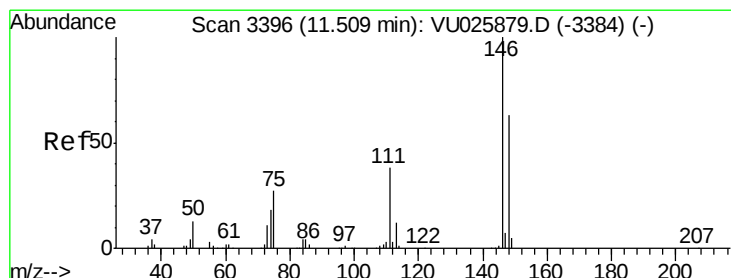
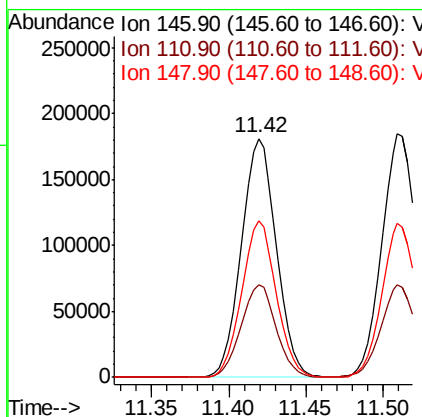
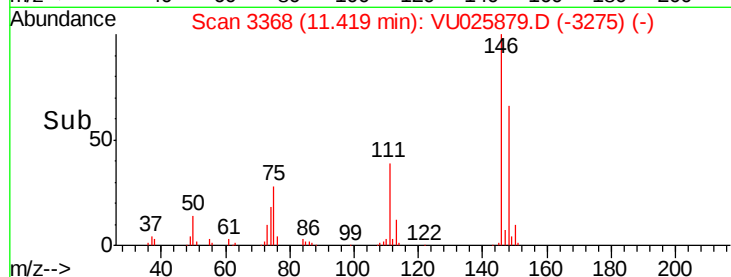
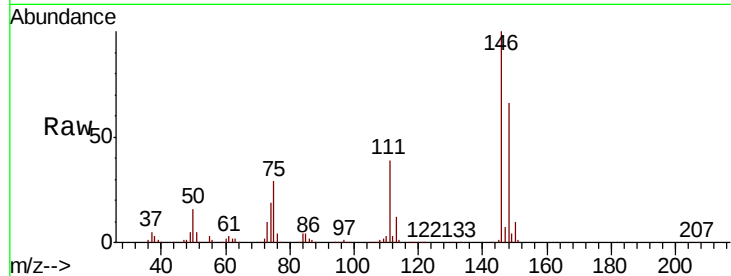
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	284025
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.7	59.1
148	64.7	32.1	96.3

Manual Integrations
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8/7/2018 1:51:34 PM



#88

1,4-Dichlorobenzene

Concen: 50.79 ug/l

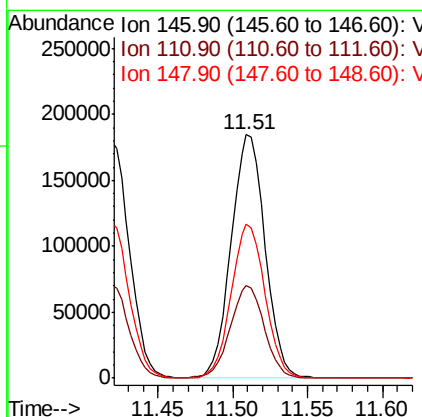
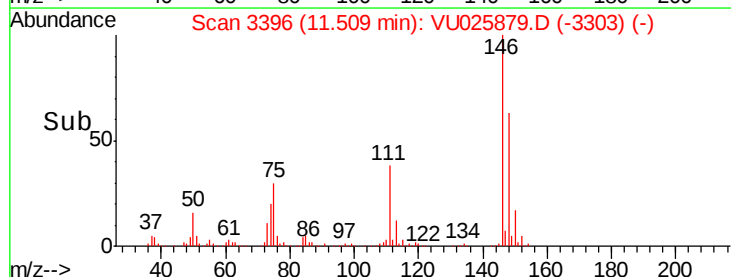
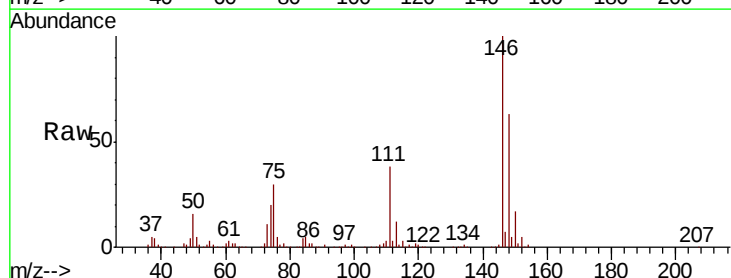
RT: 11.51 min Scan# 3396

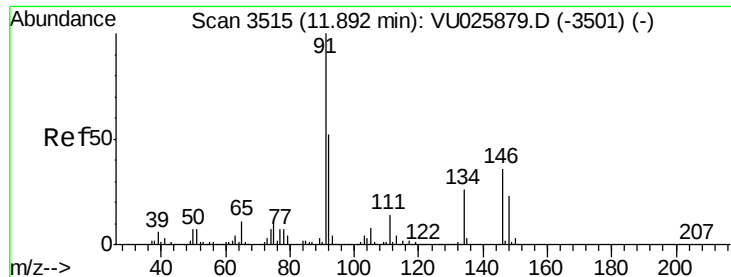
Delta R.T. 0.00 min

Lab File: VU025879.D

Acq: 06 Aug 2018 11:53

Tgt Ion:	146	Resp:	290649
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.4	58.1
148	62.9	31.7	95.1





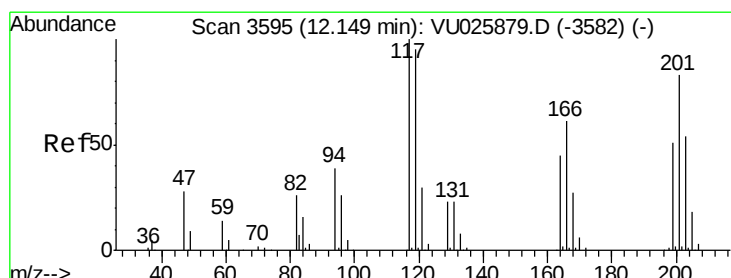
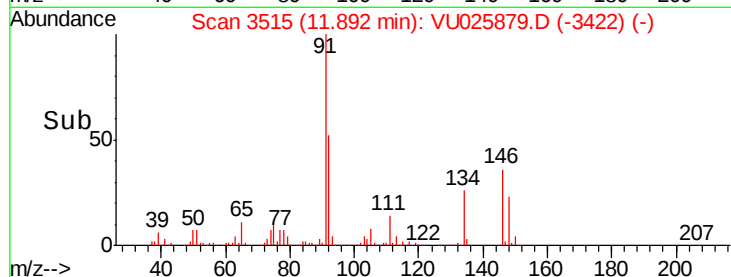
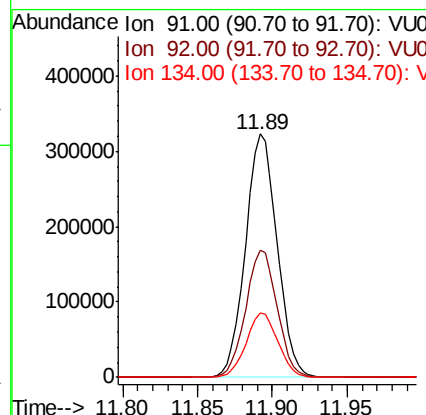
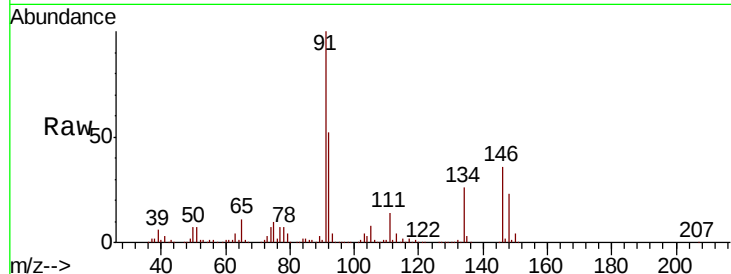
#89
n-Butylbenzene
Concen: 52.13 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.5
134	26.6	13.6	40.7

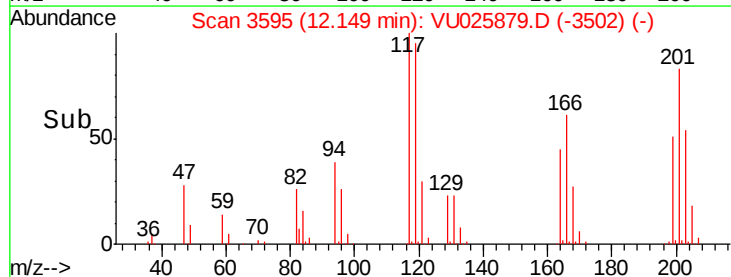
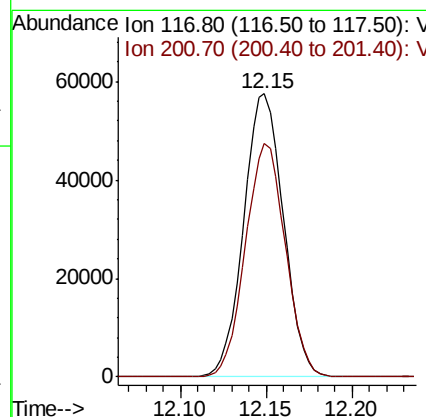
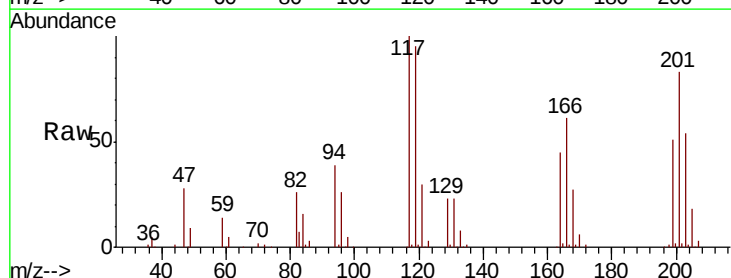
Manual Integrations
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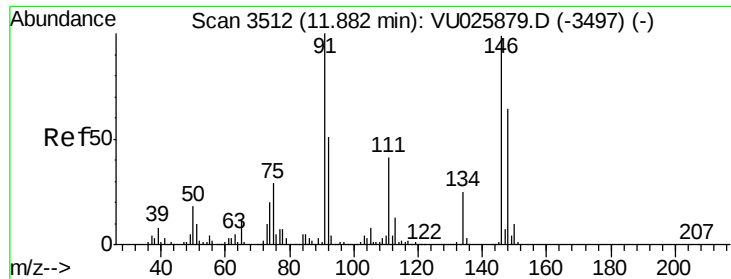
MMDadoda
8/7/2018 1:51:34 PM



#90
Hexachloroethane
Concen: 52.62 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	42.5	127.6





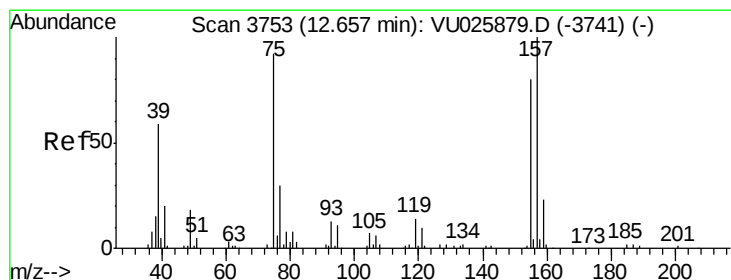
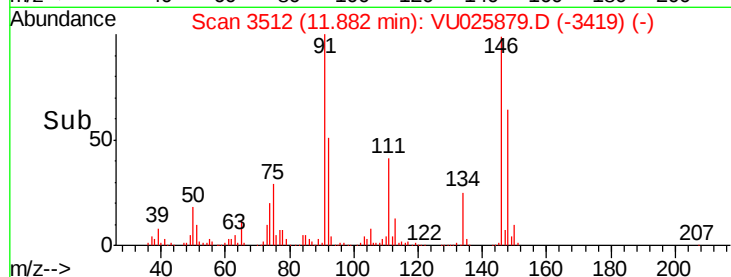
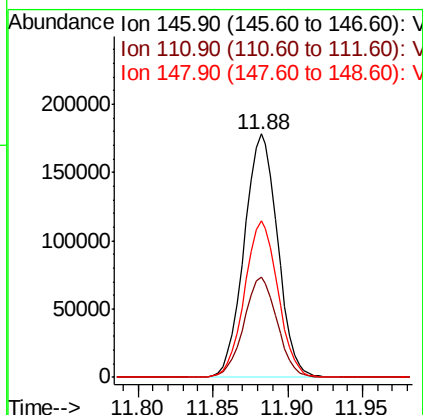
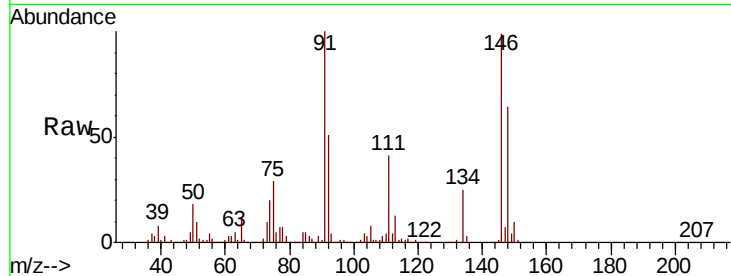
#91
 1,2-Dichlorobenzene
 Concen: 51.69 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

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

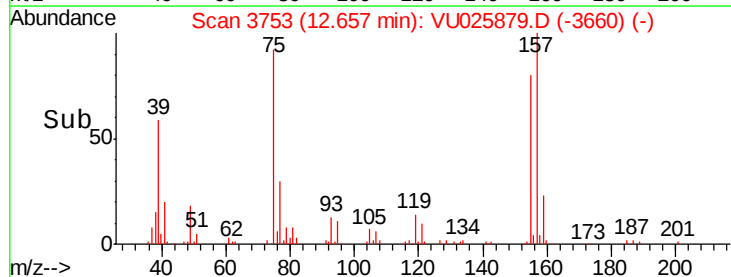
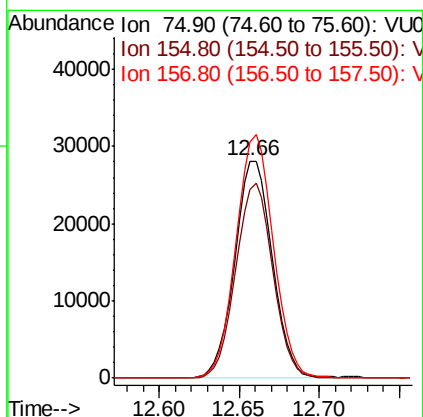
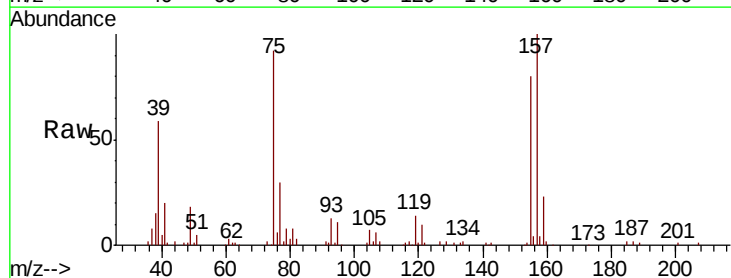
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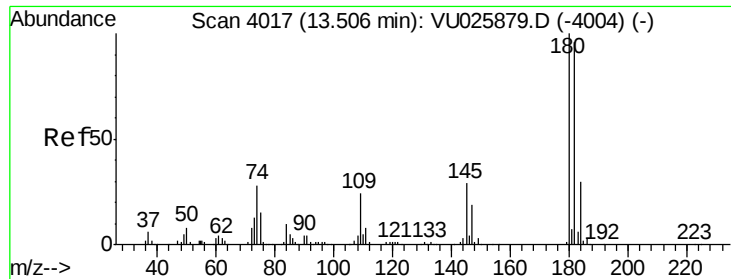
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.16 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	44.5	133.3
157	111.4	57.0	170.8





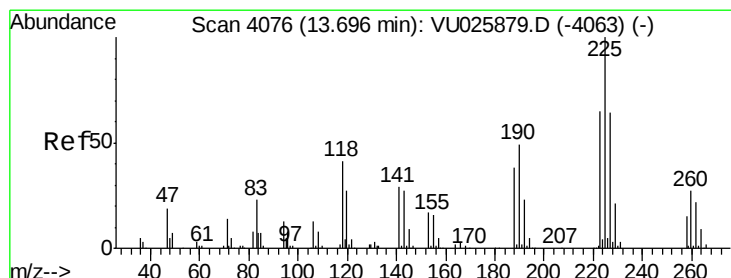
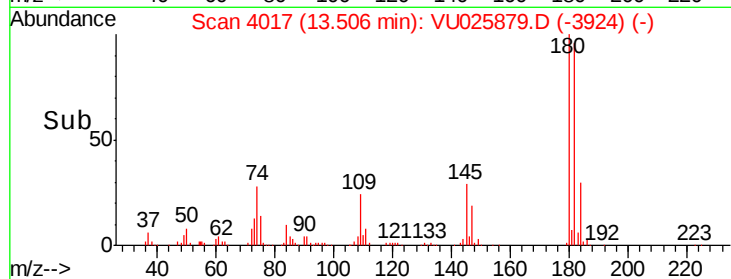
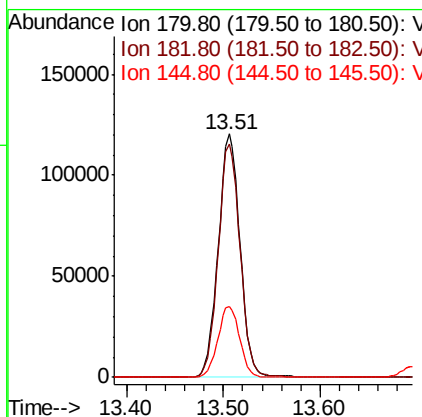
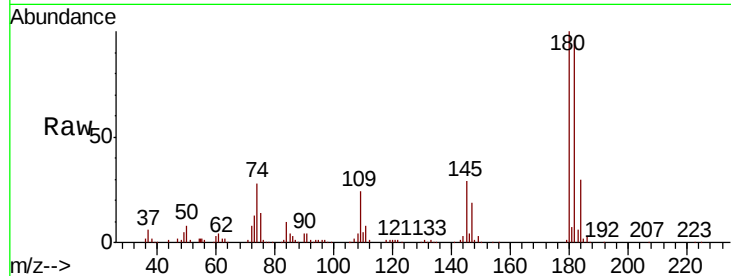
#93
 1,2,4-Trichlorobenzene
 Concen: 51.83 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.9
145	29.1	14.9	44.7

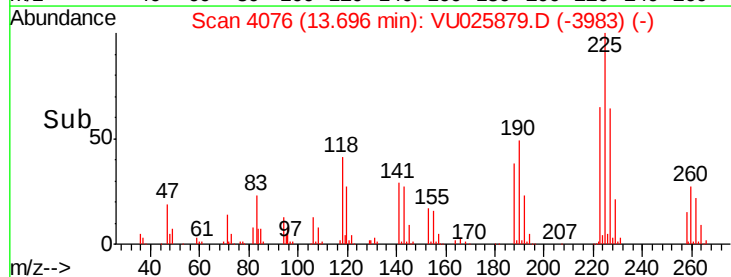
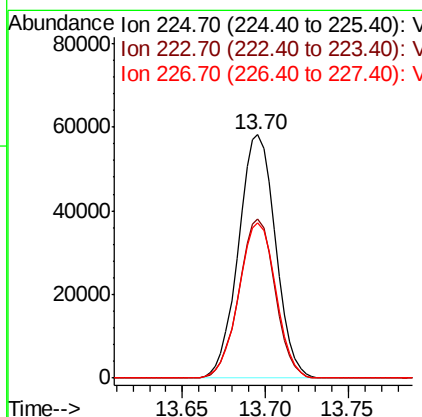
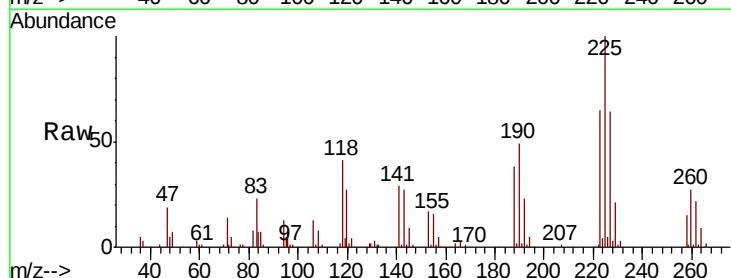
Manual Integrations
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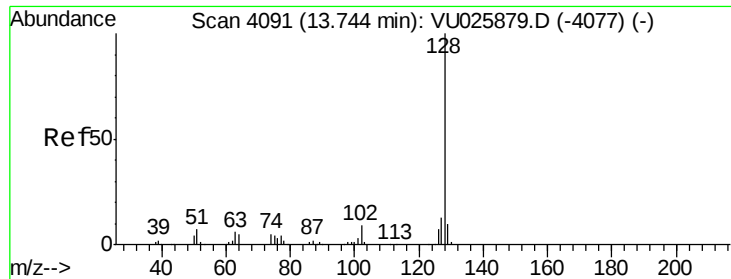
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#94
 Hexachlorobutadiene
 Concen: 47.24 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025879.D
 Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.7
227	64.1	32.3	96.9





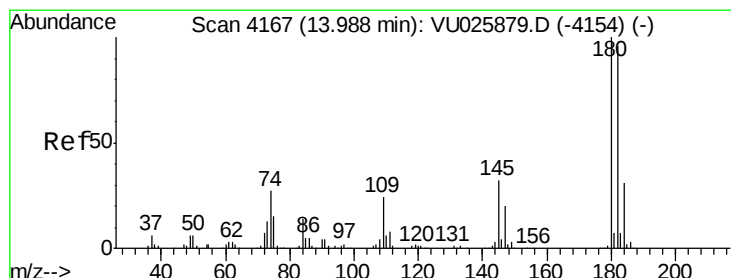
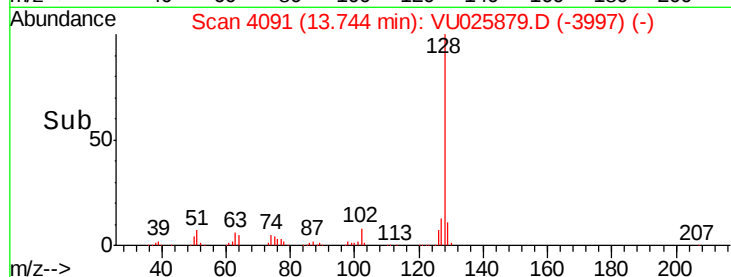
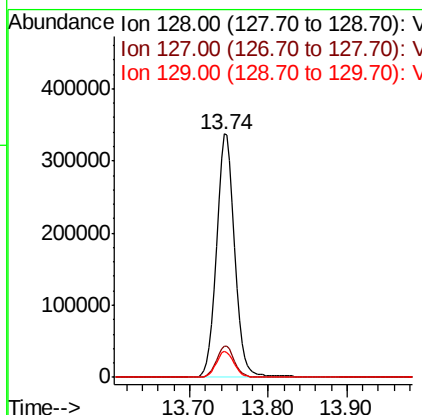
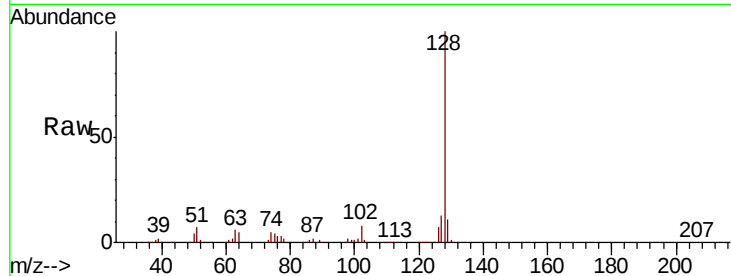
#95
Naphthalene
Concen: 45.93 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.33 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025879.D
Acq: 06 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	31.9	15.6	46.8

