

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050077.D
 Acq On : 26 Jul 2018 13:02
 Operator : MD\SY
 Sample : VN0726WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:15:34 PM

Quant Time: Jul 27 01:50:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	577507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	383573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414795	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.59	113	361317	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1281337	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	409875	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159108	19.17	ug/l	99
3) Chloromethane	2.06	50	167900	18.61	ug/l	99
4) Vinyl Chloride	2.18	62	169328	17.83	ug/l	97
5) Bromomethane	2.56	94	106955	19.67	ug/l	99
6) Chloroethane	2.70	64	102255	17.93	ug/l	96
7) Trichlorofluoromethane	3.01	101	222220	18.06	ug/l	99
8) Diethyl Ether	3.41	74	80770	19.69	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	134029	18.11	ug/l	99
10) Methyl Iodide	3.95	142	170676	17.97	ug/l	99
11) Tert butyl alcohol	4.80	59	58243	98.24	ug/l	99
12) 1,1-Dichloroethene	3.73	96	117791	17.70	ug/l	99
13) Acrolein	3.61	56	34441	72.30	ug/l	99
14) Allyl chloride	4.32	41	193631	18.76	ug/l	99
15) Acrylonitrile	5.00	53	254846	98.53	ug/l	99
16) Acetone	3.82	43	202068	103.93	ug/l	99
17) Carbon Disulfide	4.05	76	351426	17.23	ug/l	99
18) Methyl Acetate	4.33	43	168637	21.93	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	361269	20.37	ug/l	98
20) Methylene Chloride	4.55	84	147530	19.90	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	129937	18.42	ug/l	99
22) Diisopropyl ether	5.96	45	424003	20.72	ug/l	96
23) Vinyl Acetate	5.90	43	1436431	99.32	ug/l	98
24) 1,1-Dichloroethane	5.85	63	255148	19.07	ug/l	99
25) 2-Butanone	6.84	43	300890	97.90	ug/l	99
26) 2,2-Dichloropropane	6.83	77	197386	19.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148772	19.60	ug/l	99
28) Bromochloromethane	7.20	49	119566	19.59	ug/l	99
29) Tetrahydrofuran	7.22	42	196028	98.71	ug/l	99
30) Chloroform	7.37	83	263582	19.30	ug/l	100
31) Cyclohexane	7.66	56	197244	17.73	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	214840	18.39	ug/l	99
36) 1,1-Dichloropropene	7.79	75	180119	18.21	ug/l	99
37) Ethyl Acetate	6.94	43	135865	19.70	ug/l	99
38) Carbon Tetrachloride	7.78	117	189467	18.05	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	175957	17.29	ug/l	99
40) Benzene	8.04	78	574246	19.08	ug/l	99
41) Methacrylonitrile	7.18	41	50606	16.06	ug/l	91
42) 1,2-Dichloroethane	8.13	62	195401	19.46	ug/l	99
43) Isopropyl Acetate	8.17	43	272370	20.28	ug/l	95
44) Trichloroethene	8.84	130	145390	17.98	ug/l	99
45) 1,2-Dichloropropane	9.12	63	154182	19.34	ug/l	96
46) Dibromomethane	9.21	93	96400	19.47	ug/l	98
47) Bromodichloromethane	9.40	83	200631	19.20	ug/l	99
48) Methyl methacrylate	9.20	41	115791	19.50	ug/l	99
49) 1,4-Dioxane	9.20	88	32268	399.22	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	675963	99.71	ug/l	99
52) Toluene	10.16	92	344555	19.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191738	19.45	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	220108	19.54	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	139527	19.80	ug/l	99
56) Ethyl methacrylate	10.43	69	162048	18.32	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230304	20.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	388235	92.60	ug/l	100
59) 2-Hexanone	10.75	43	431028	89.91	ug/l	99
60) Dibromochloromethane	10.90	129	153758	19.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132610	18.97	ug/l	98
64) Tetrachloroethene	10.63	164	142565	18.85	ug/l	99
65) Chlorobenzene	11.44	112	367460	18.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	145590	19.06	ug/l	98
67) Ethyl Benzene	11.51	91	599688	18.78	ug/l	100
68) m/p-Xylenes	11.63	106	463611	38.39	ug/l	100
69) o-Xylene	11.95	106	224059	19.46	ug/l	99
70) Styrene	11.97	104	356339	18.01	ug/l	100
71) Bromoform	12.13	173	105821	19.05	ug/l #	100
73) Isopropylbenzene	12.25	105	585310	19.68	ug/l	100
74) N-amyl acetate	12.07	43	172342	18.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174731	20.96	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	137439m	19.28	ug/l	
77) Bromobenzene	12.53	156	157240	19.07	ug/l	98
78) n-propylbenzene	12.59	91	657784	19.78	ug/l	99
79) 2-Chlorotoluene	12.68	91	409100	19.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	487368	20.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	44375	19.74	ug/l	96
82) 4-Chlorotoluene	12.78	91	403421	19.77	ug/l	99
83) tert-Butylbenzene	12.99	119	403959	19.78	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	489631	20.76	ug/l	99
85) sec-Butylbenzene	13.17	105	540240	19.80	ug/l	100
86) p-Isopropyltoluene	13.29	119	456451	19.85	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266799	19.09	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	254165	18.66	ug/l	99
89) n-Butylbenzene	13.62	91	343553	18.17	ug/l	99
90) Hexachloroethane	13.88	117	92413	18.10	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	267924	19.18	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26526	19.52	ug/l	98

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ClientSampleId :
VN0726WBSD01

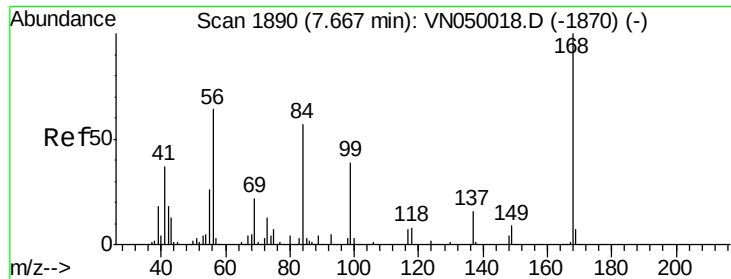
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104821	16.36	ug/l	98
94) Hexachlorobutadiene	15.01	225	77601	18.14	ug/l	99
95) Naphthalene	15.14	128	222322	15.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	113395	17.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion:168 Resp: 577507

Ion Ratio Lower Upper

168 100

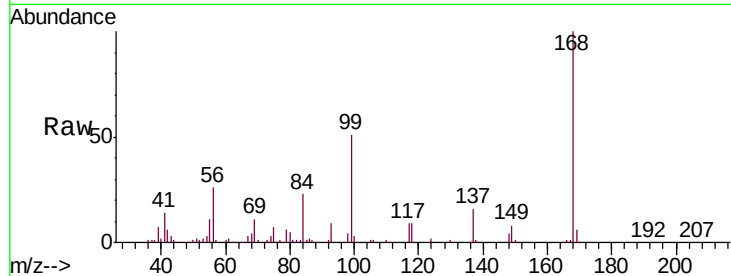
99 51.0 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

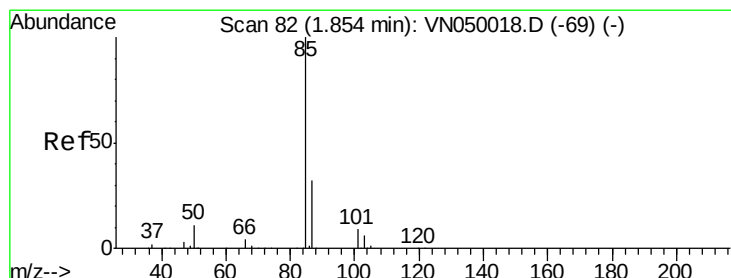
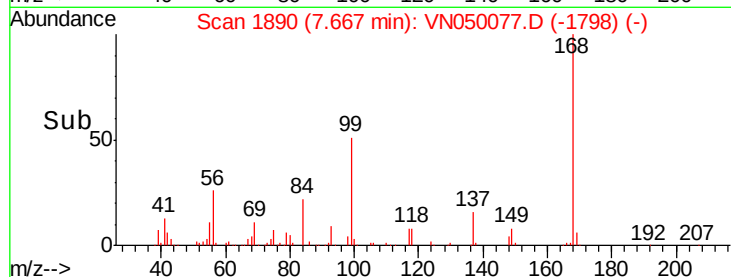
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.17 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050077.D

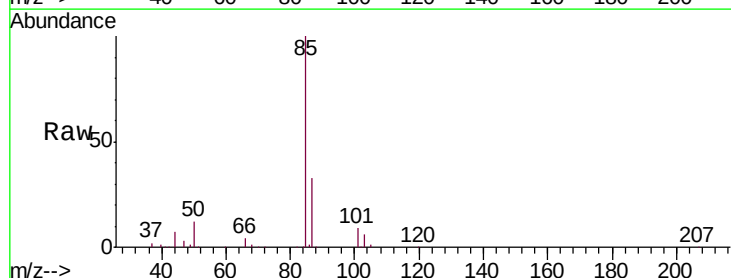
Acq: 26 Jul 2018 13:02

Tgt Ion: 85 Resp: 159108

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

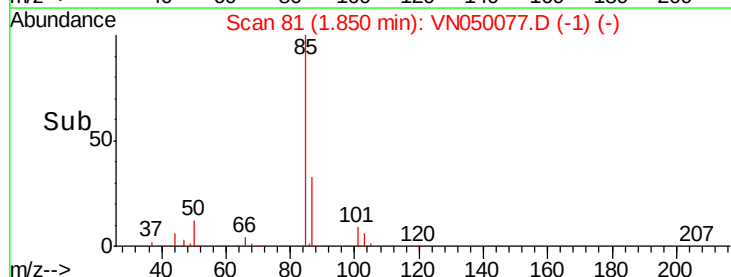
40000

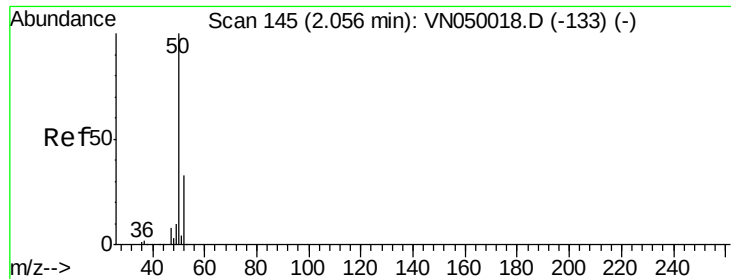
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 50 Resp: 167900

Ion Ratio Lower Upper

50 100

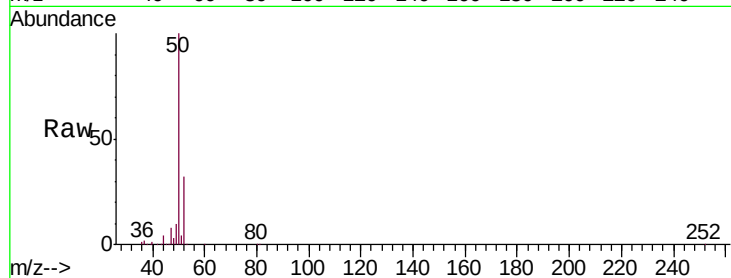
52 31.8 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

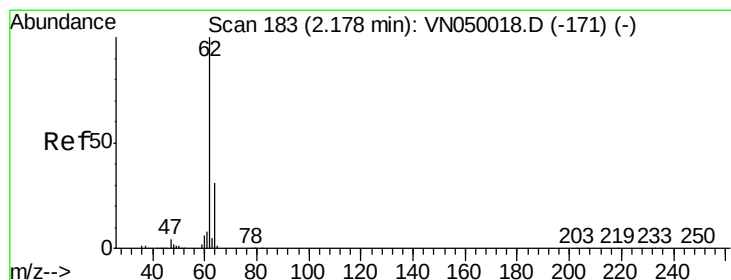
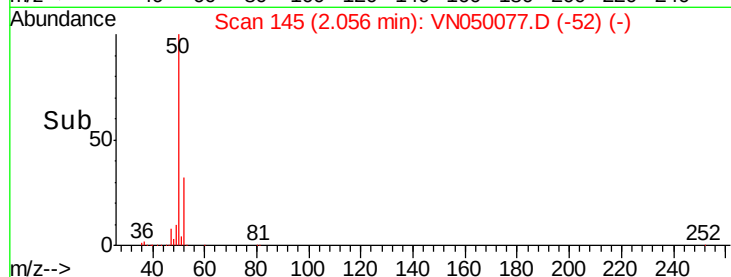
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.83 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050077.D

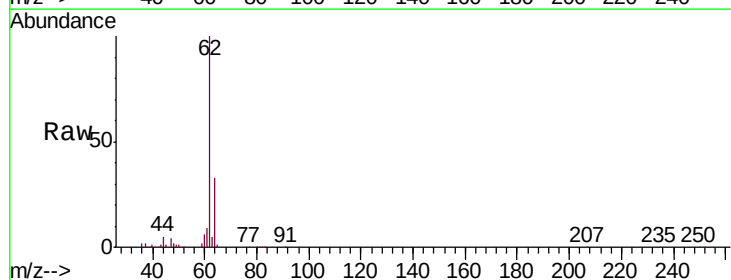
Acq: 26 Jul 2018 13:02

Tgt Ion: 62 Resp: 169328

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

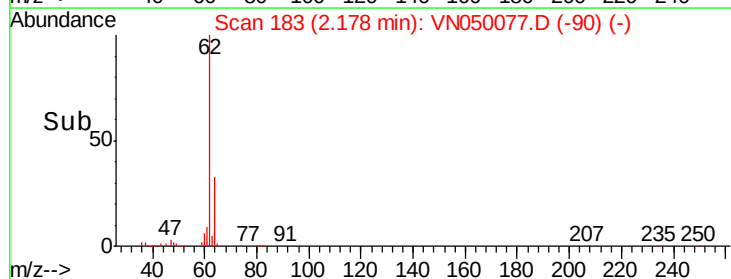
2.18

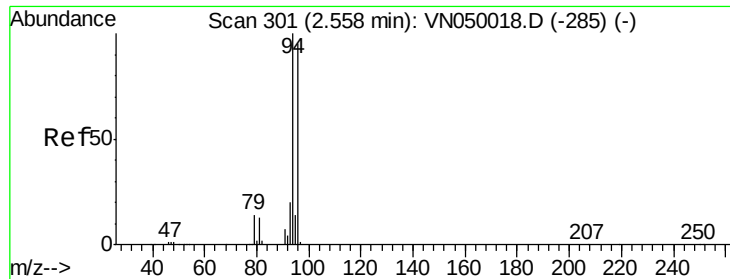
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.67 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 94 Resp: 106955

Ion Ratio Lower Upper

94 100

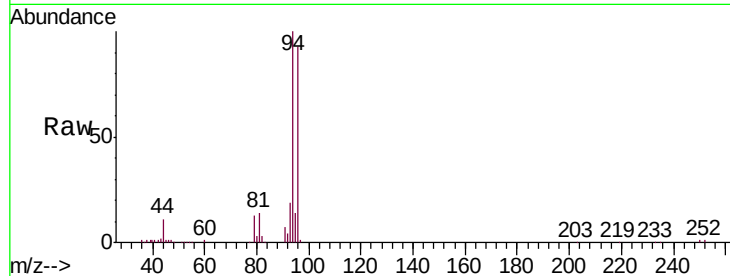
96 92.4 74.6 112.0

Manual Integrations

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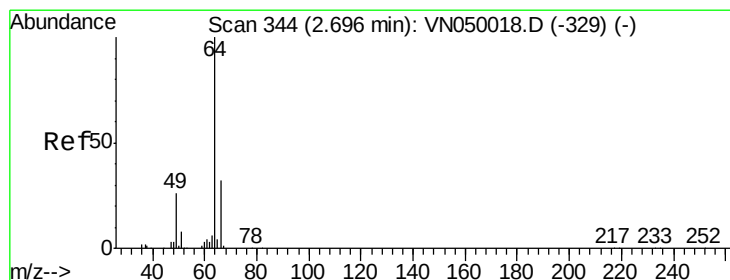
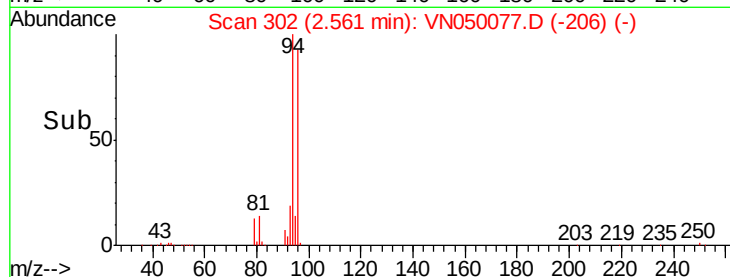
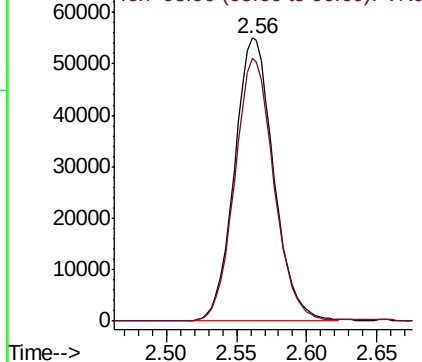
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.93 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050077.D

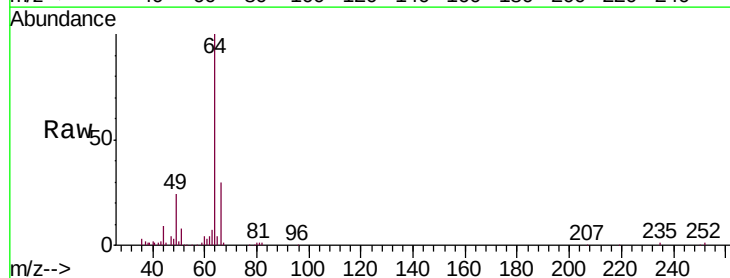
Acq: 26 Jul 2018 13:02

Tgt Ion: 64 Resp: 102255

Ion Ratio Lower Upper

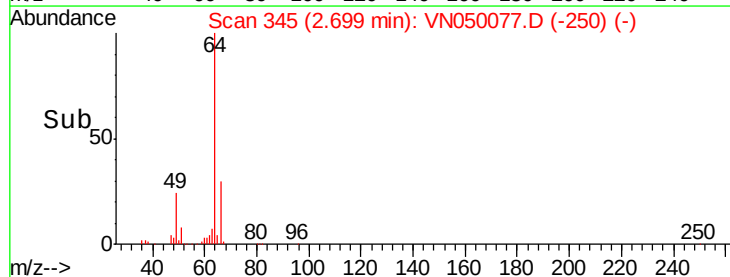
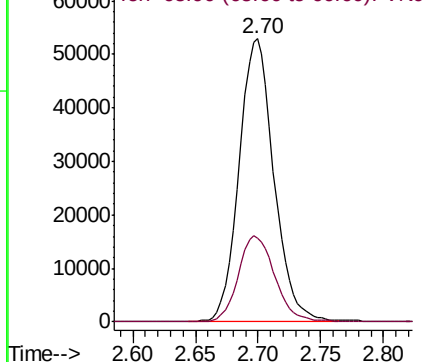
64 100

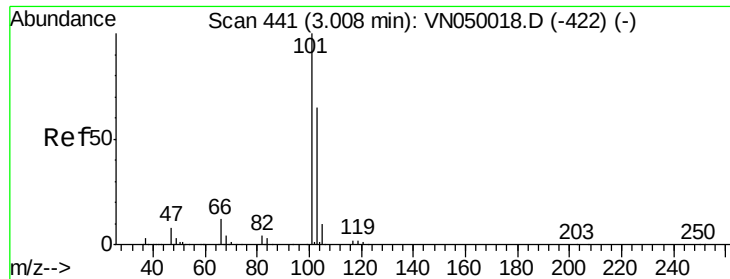
66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

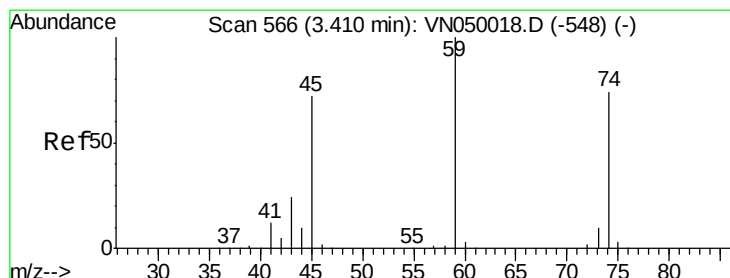
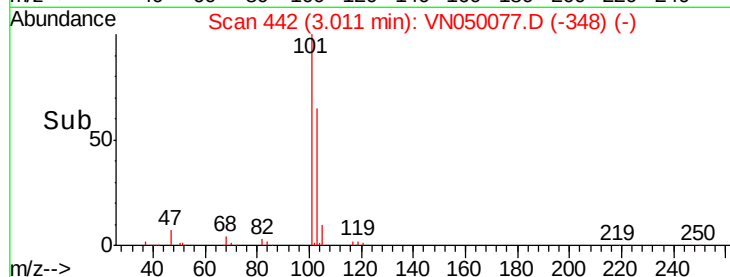
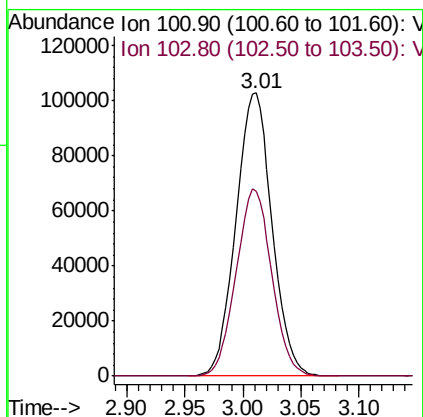
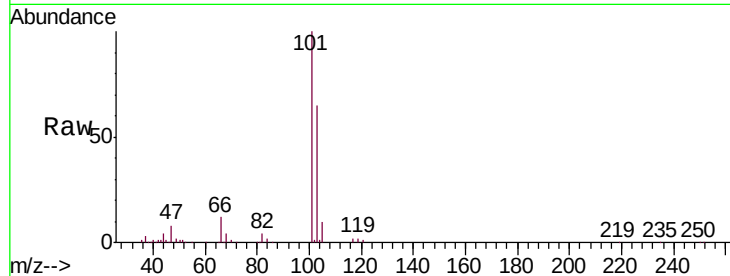
Trichlorofluoromethane
Concen: 18.06 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

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ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.7	77.5

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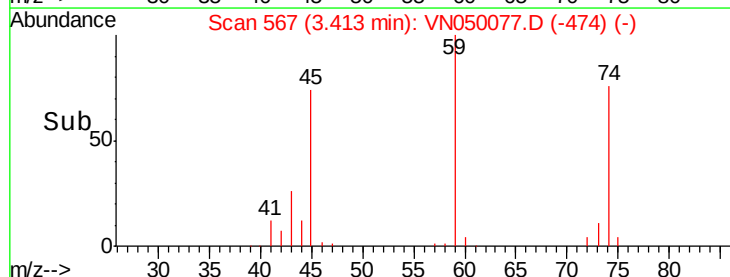
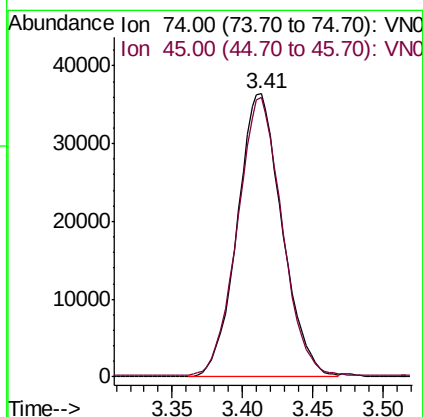
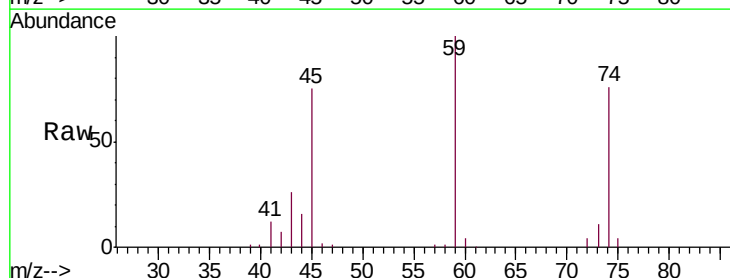
MMDadoda
7/27/2018 12:15:34 PM

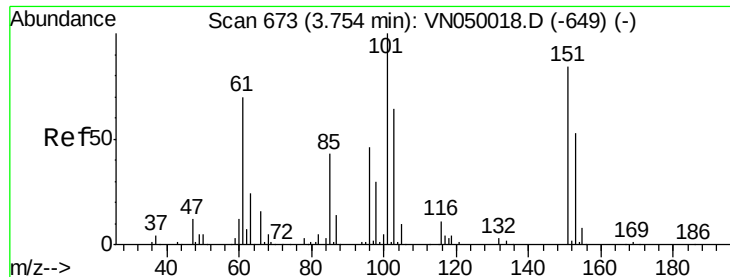


#8

Diethyl Ether
Concen: 19.69 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.11 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

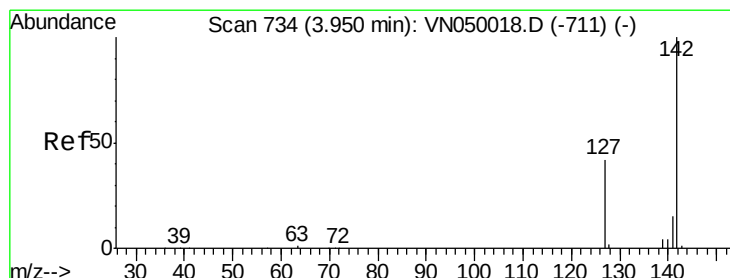
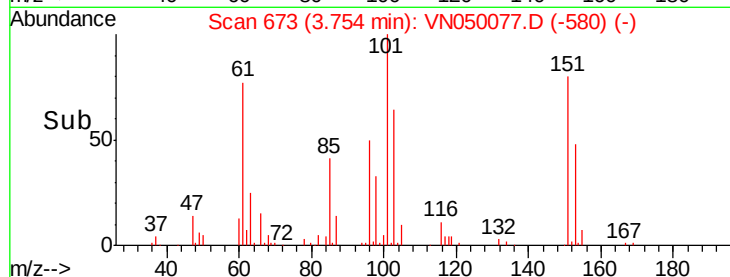
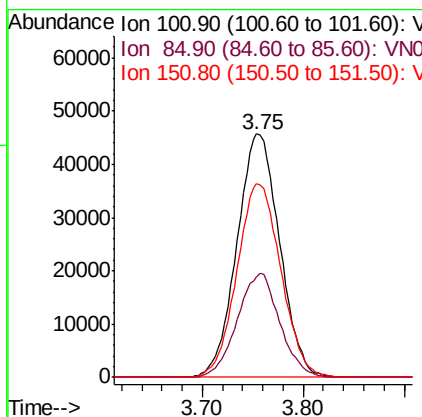
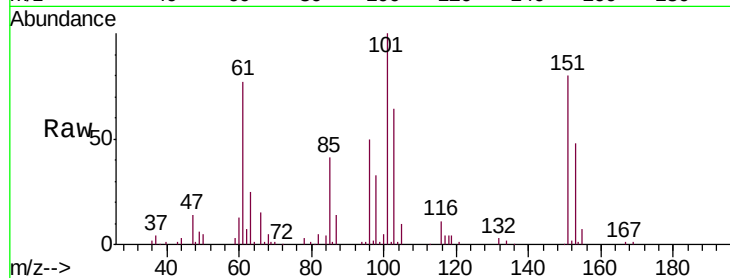
ClientSampleId :

VN0726WBSD01

Tot Ion:	101	Resp:	134029
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	81.9	66.3	99.5

Manual Integrations
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7/27/2018 12:15:34 PM



#10

Methyl Iodide

Concen: 17.97 ug/l

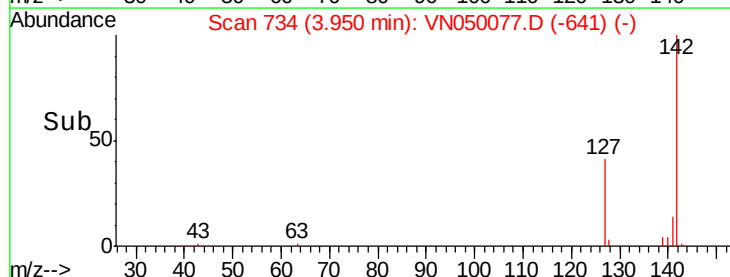
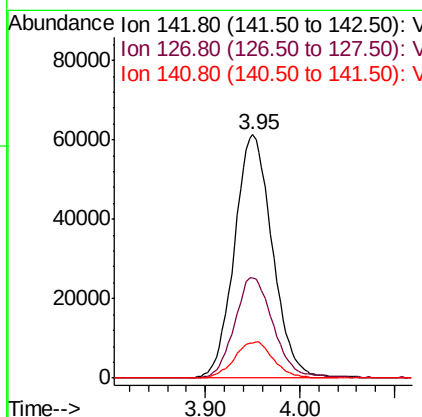
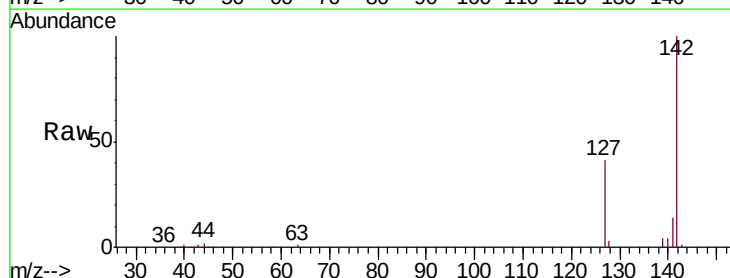
RT: 3.95 min Scan# 734

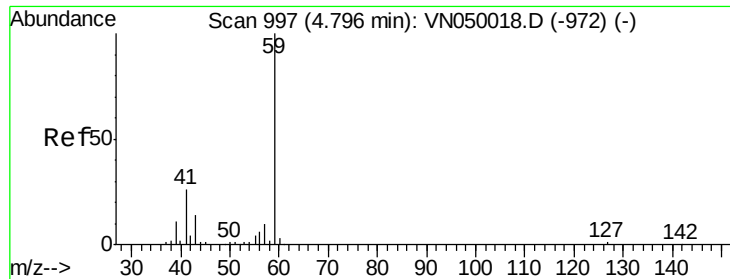
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	142	Resp:	170676
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.4	50.2
141	15.1	11.6	17.4





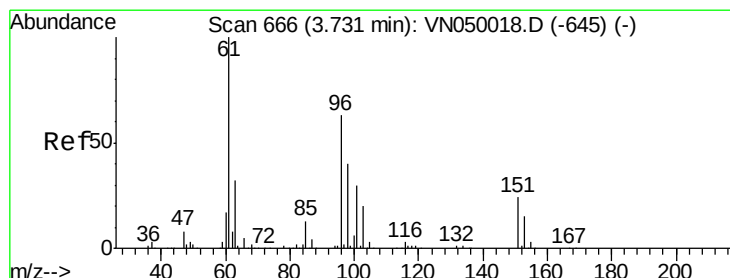
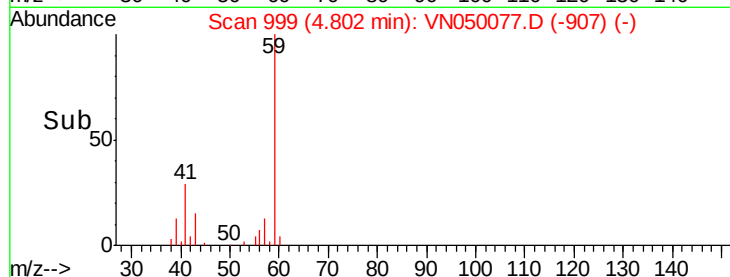
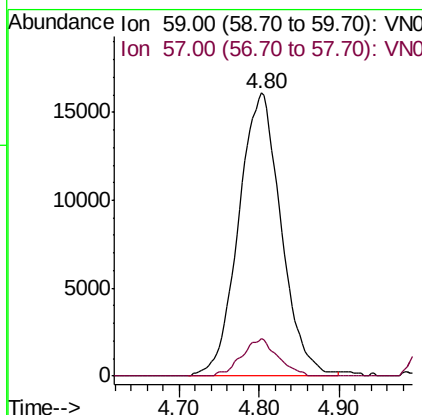
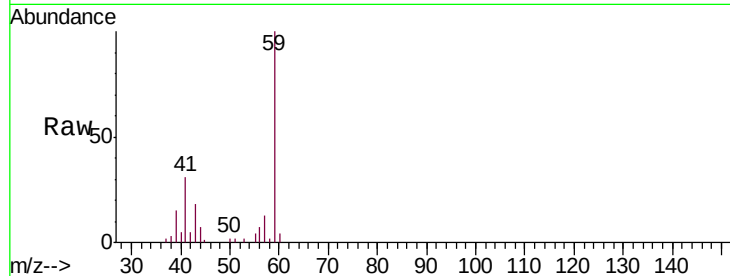
#11
Tert butyl alcohol
Concen: 98.24 ug/l
RT: 4.80 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0726WBSD01

Tot Ion	59	Resp	58243
Ion Ratio	100	Lower	Upper
57	11.1	8.5	12.7

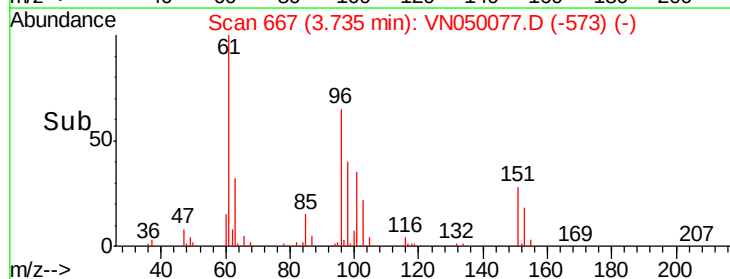
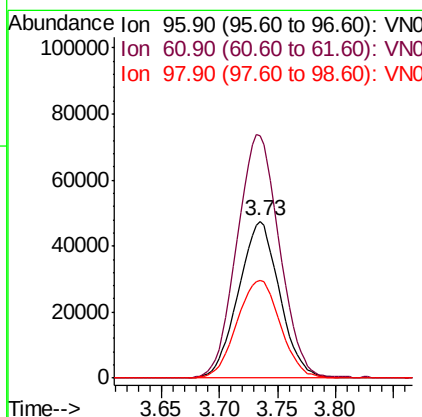
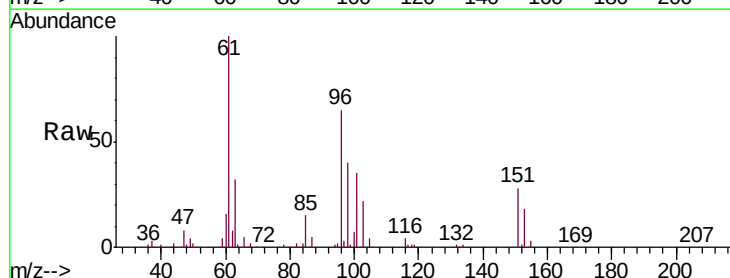
Manual Integrations
APPROVED

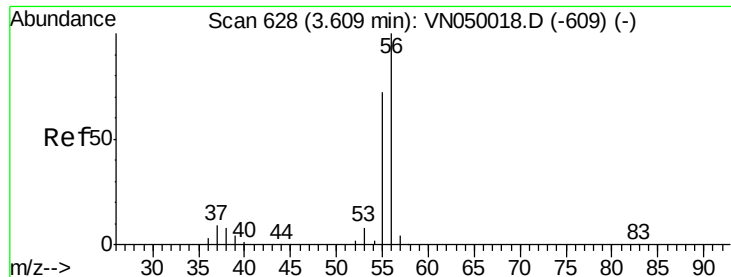
MMDadoda
7/27/2018 12:15:34 PM



#12
1,1-Dichloroethene
Concen: 17.70 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	96	Resp	117791
Ion Ratio	100	Lower	Upper
61	154.4	124.4	186.6
98	61.8	48.3	72.5





#13

Acrolein

Concen: 72.30 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 56 Resp: 34441

Ion Ratio Lower Upper

56 100

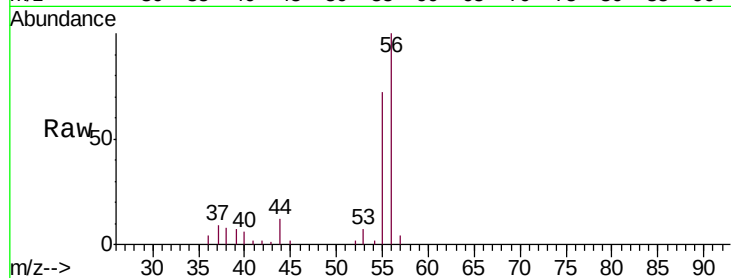
55 70.4 55.8 83.6

Manual Integrations

APPROVED

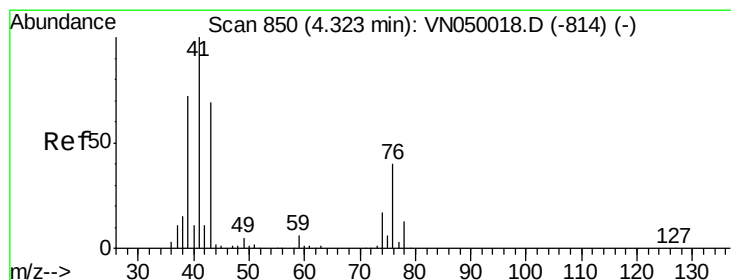
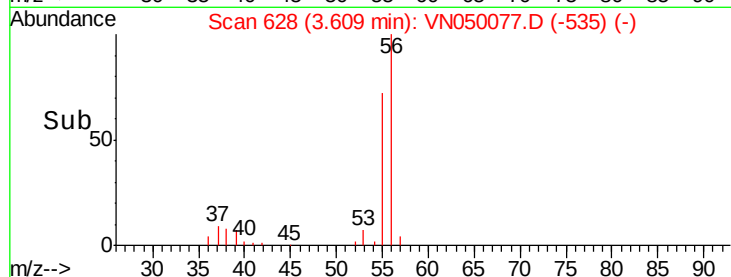
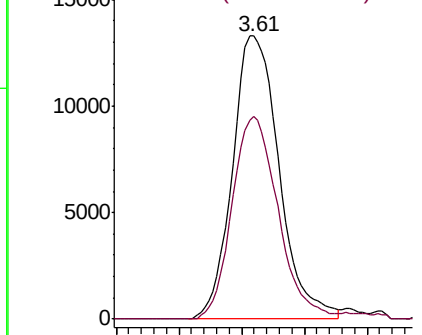
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

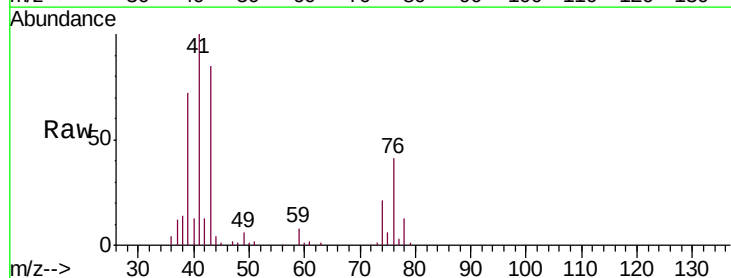
Tgt Ion: 41 Resp: 193631

Ion Ratio Lower Upper

41 100

39 68.6 54.2 81.4

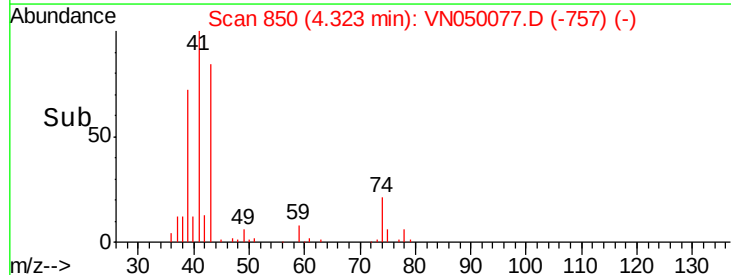
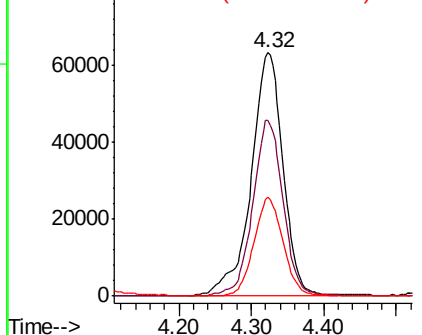
76 37.2 29.0 43.6

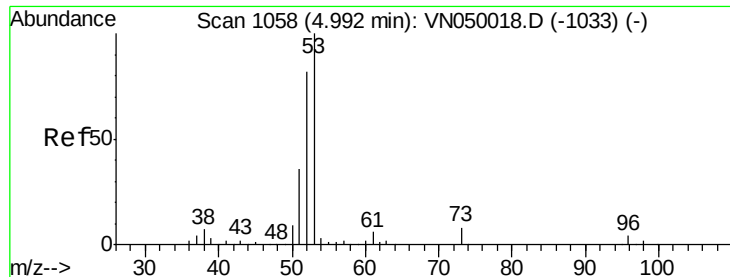


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





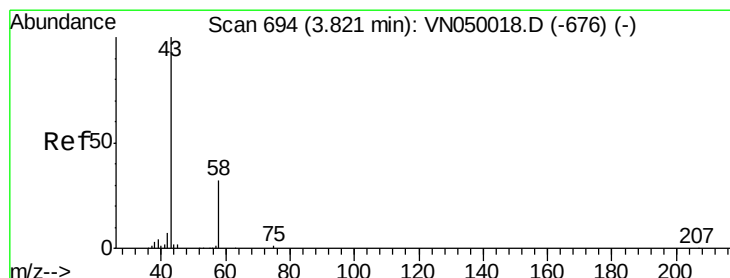
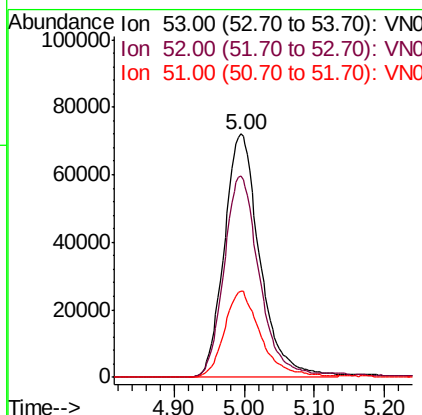
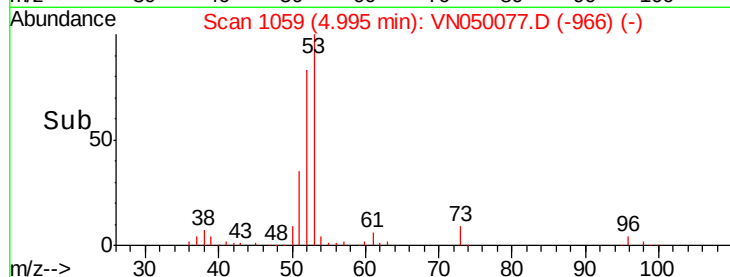
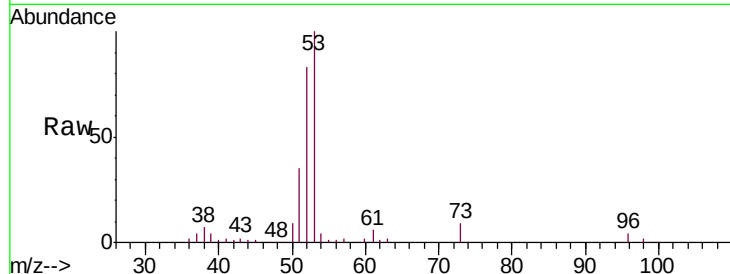
#15
 Acrylonitrile
 Concen: 98.53 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.2	99.2
51	36.3	29.3	43.9

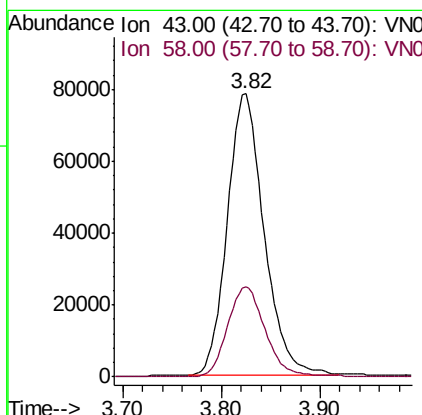
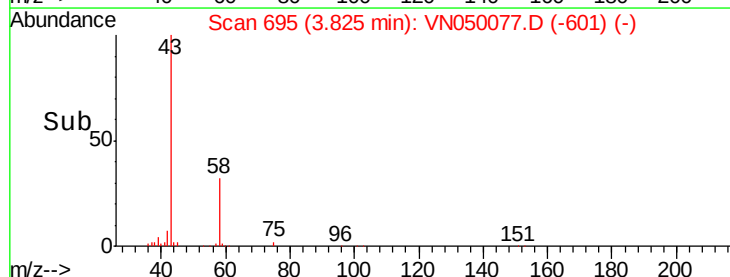
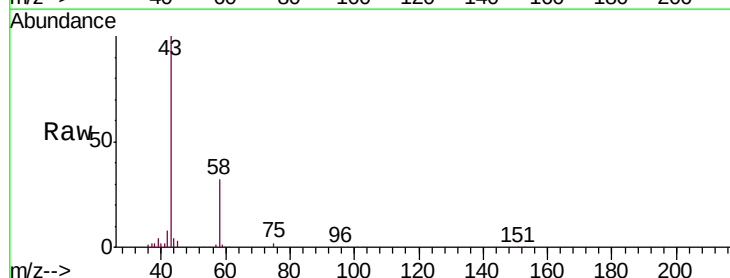
Manual Integrations
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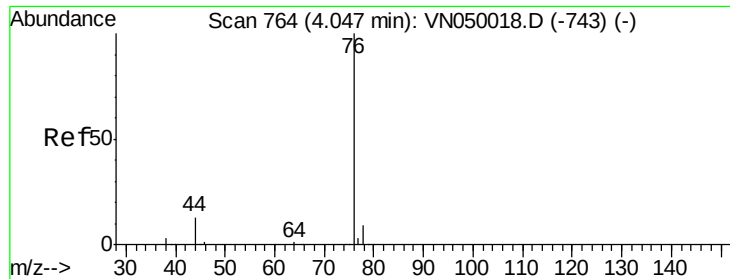
MMDadoda
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#16
 Acetone
 Concen: 103.93 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.8	38.8





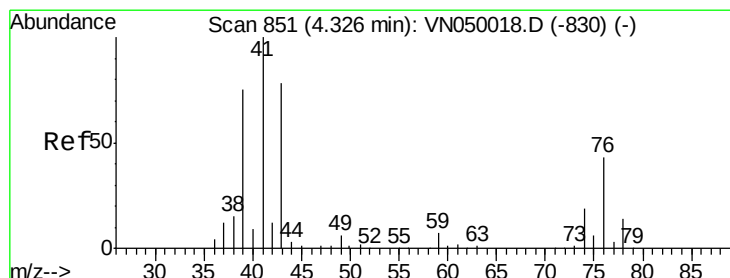
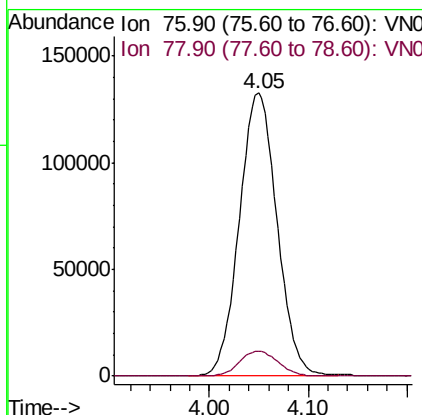
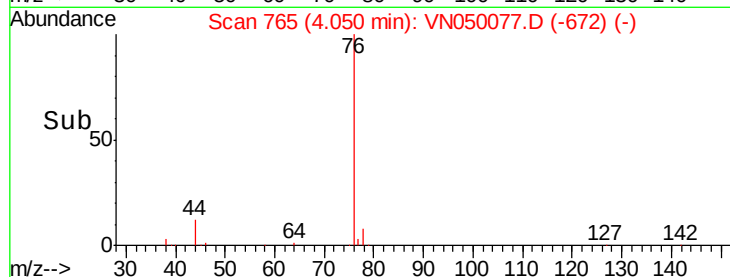
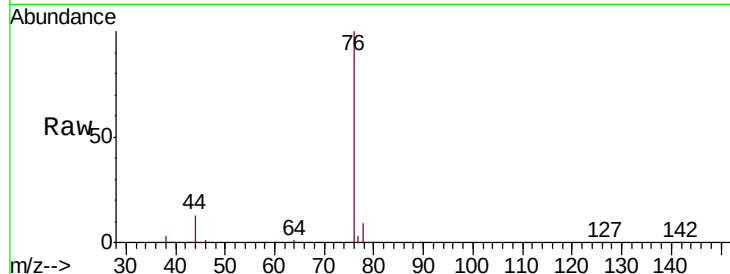
#17
Carbon Disulfide
Concen: 17.23 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

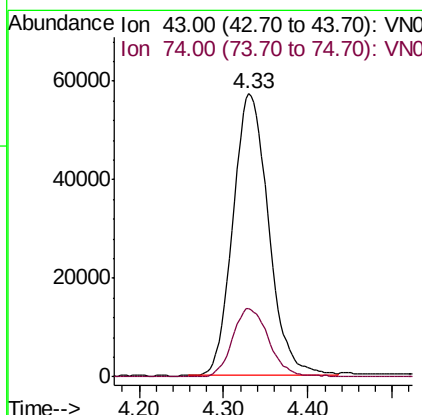
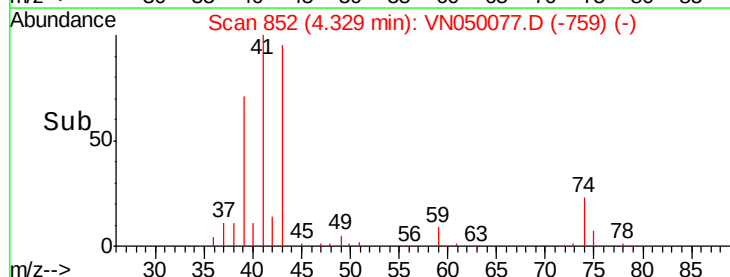
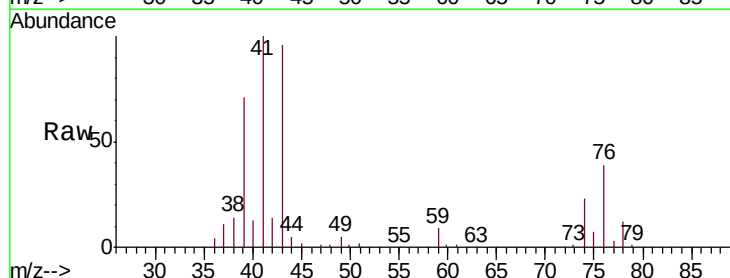
Manual Integrations
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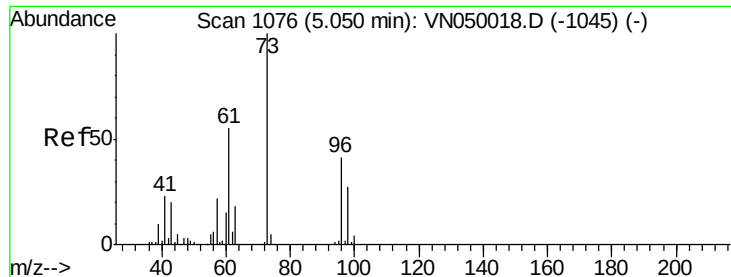
MMDadoda
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#18
Methyl Acetate
Concen: 21.93 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8





#19

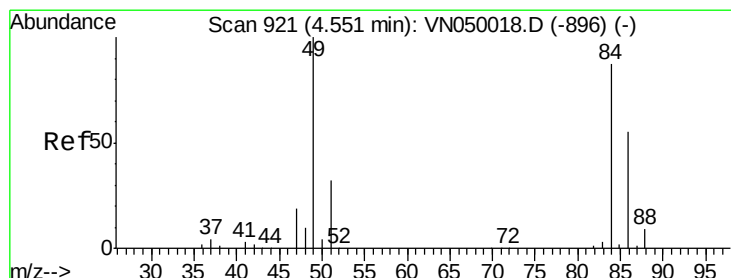
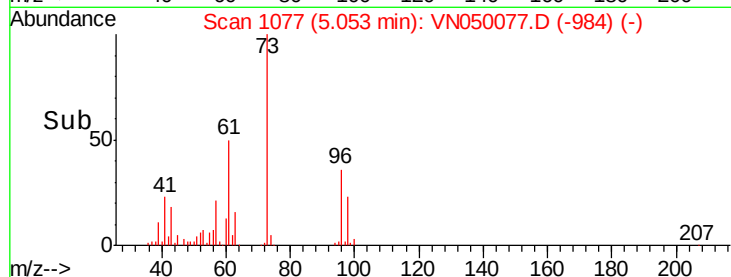
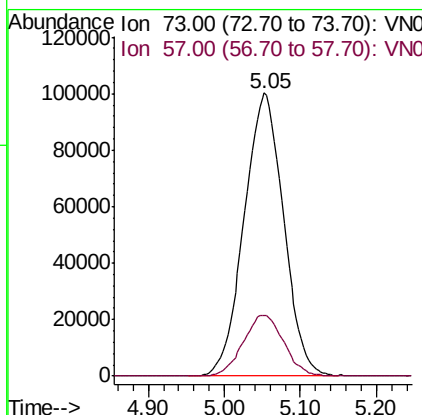
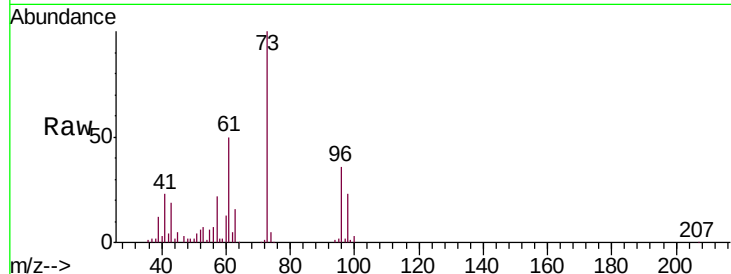
Methvl tert-butvl Ether
 Concen: 20.37 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion: 73 Resp: 361269
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.0 27.0

Manual Integrations
 APPROVED

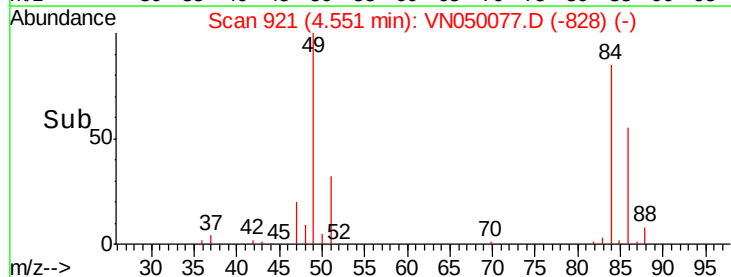
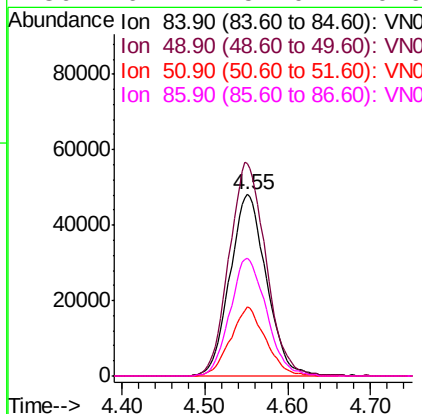
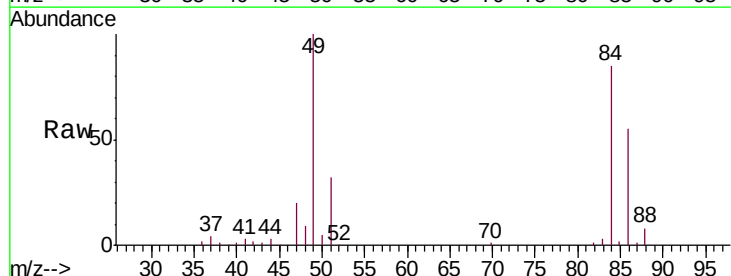
MMDadoda
 7/27/2018 12:15:34 PM

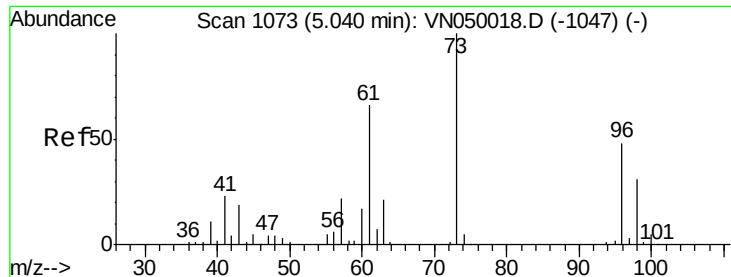


#20

Methylene Chloride
 Concen: 19.90 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion: 84 Resp: 147530
 Ion Ratio Lower Upper
 84 100
 49 117.4 94.8 142.2
 51 38.0 28.3 42.5
 86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.42 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

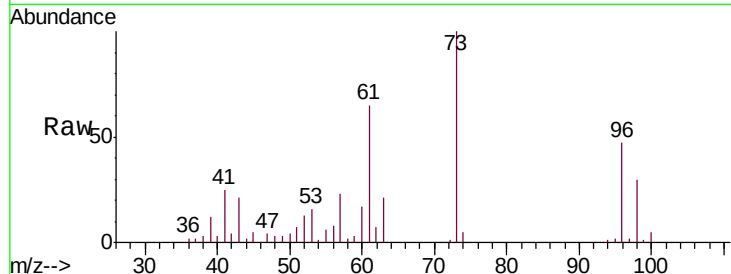
ClientSampled :

VN0726WBSD01

Tot Ion:	96	Resp:	129937
Ion	Ratio	Lower	Upper
96	100		
61	137.3	110.7	166.1
98	63.6	51.6	77.4

Manual Integrations
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MMDadoda
7/27/2018 12:15:34 PM

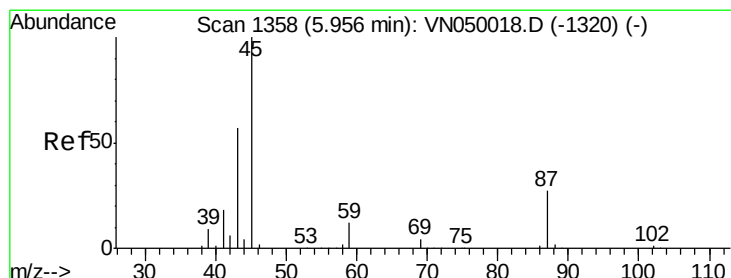
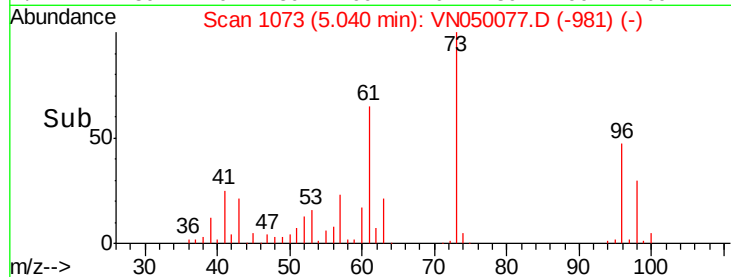
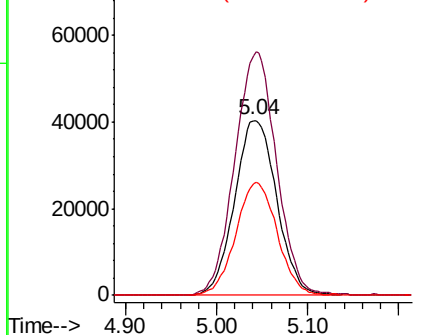


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.72 ug/l

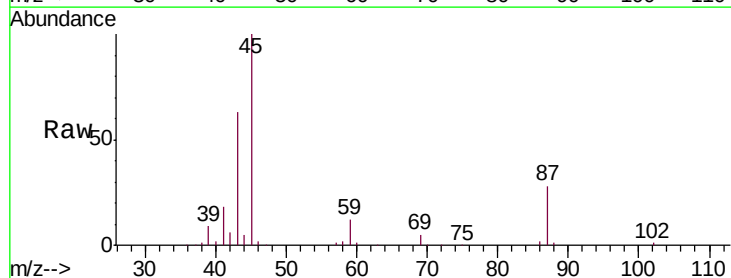
RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	45	Resp:	424003
Ion	Ratio	Lower	Upper
45	100		
43	61.7	45.7	68.5
87	27.5	22.7	34.1
59	12.2	9.5	14.3



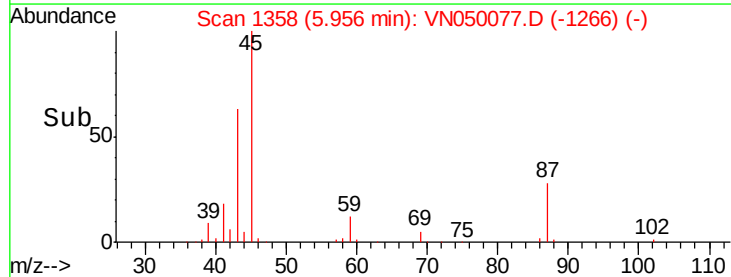
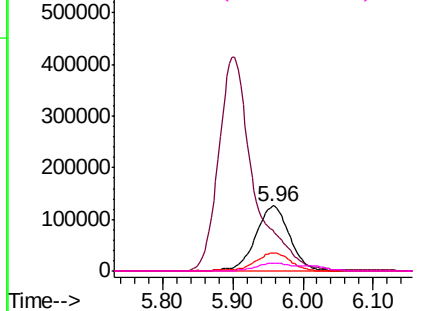
Abundance

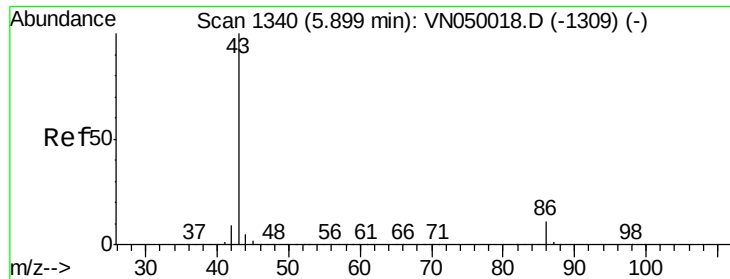
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





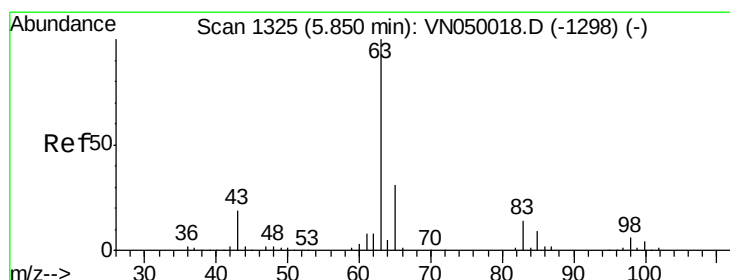
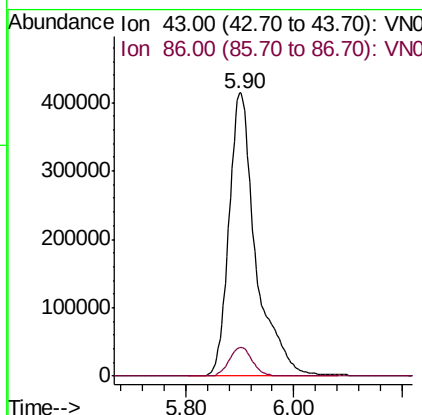
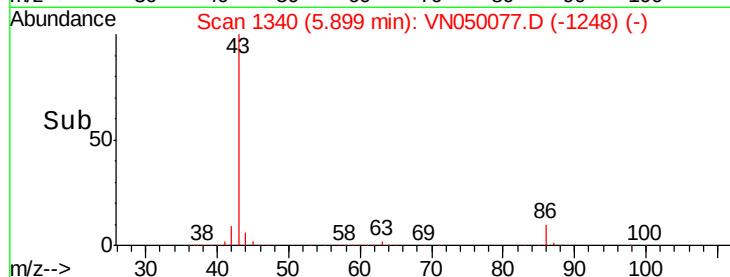
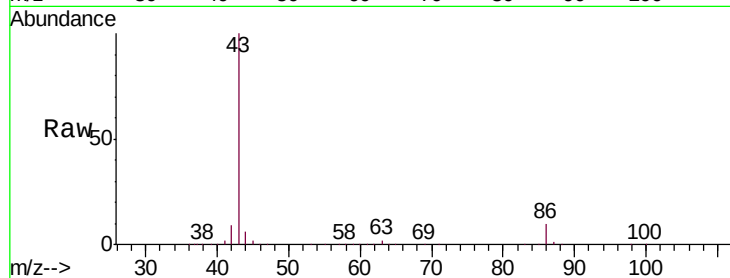
#23
 Vinyl Acetate
 Concen: 99.32 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion: 43 Resp: 1436431
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.6 13.0

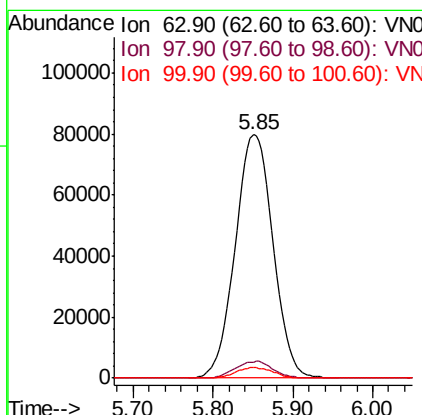
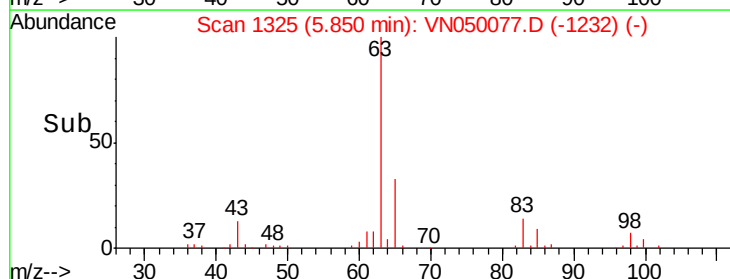
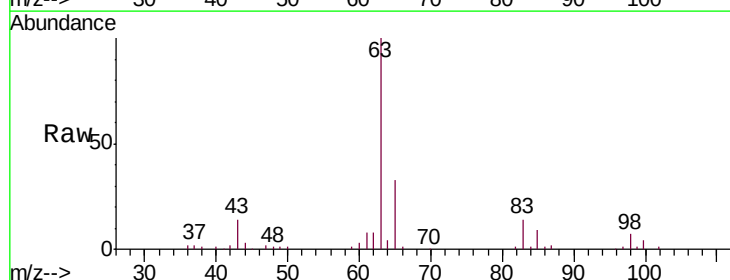
Manual Integrations
 APPROVED

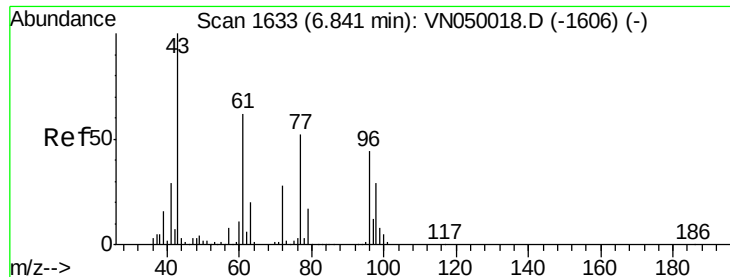
MMDadoda
 7/27/2018 12:15:34 PM



#24
 1,1-Dichloroethane
 Concen: 19.07 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion: 63 Resp: 255148
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 97.90 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 43 Resp: 300890

Ion Ratio Lower Upper

43 100

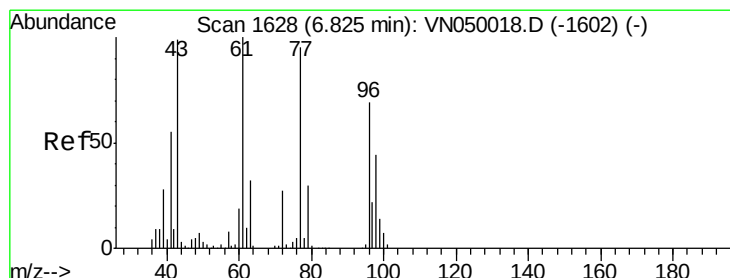
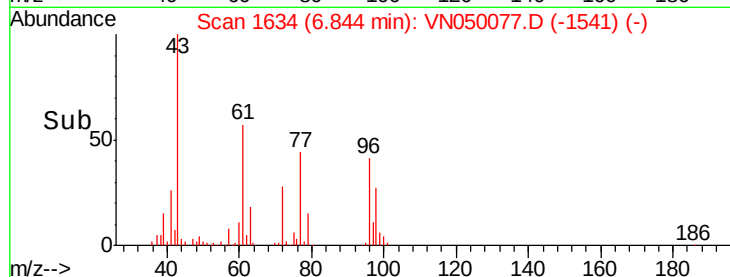
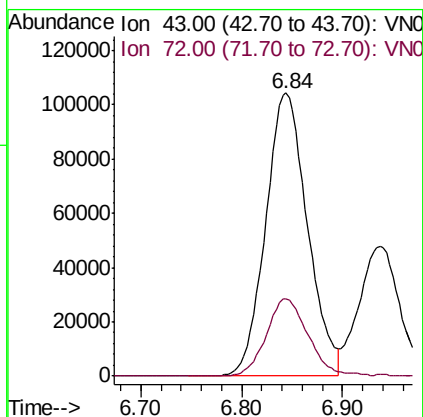
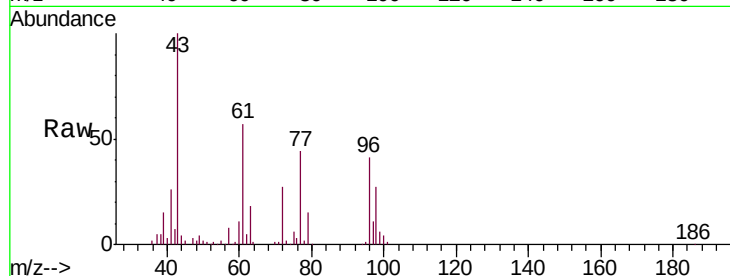
72 27.4 21.5 32.3

Manual Integrations

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MMDadoda

7/27/2018 12:15:34 PM



#26

2,2-Dichloropropane

Concen: 19.39 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050077.D

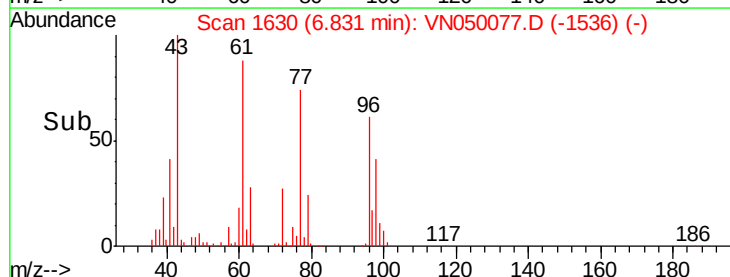
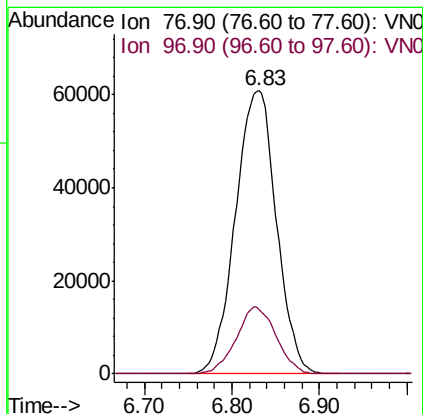
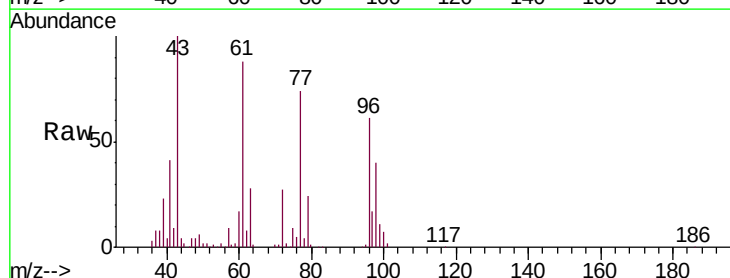
Acq: 26 Jul 2018 13:02

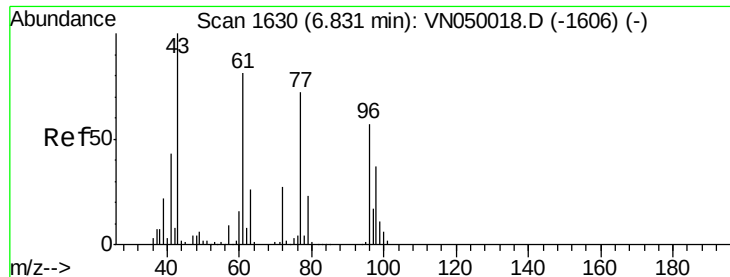
Tgt Ion: 77 Resp: 197386

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





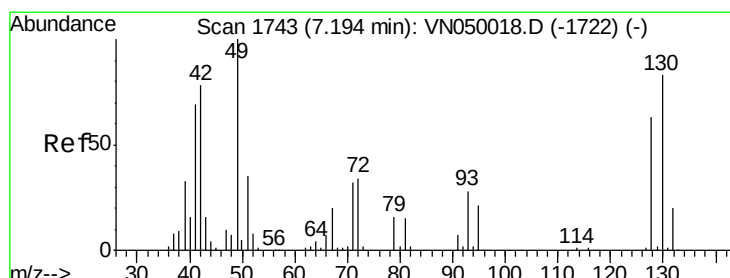
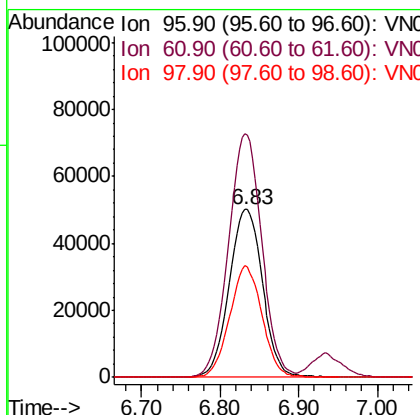
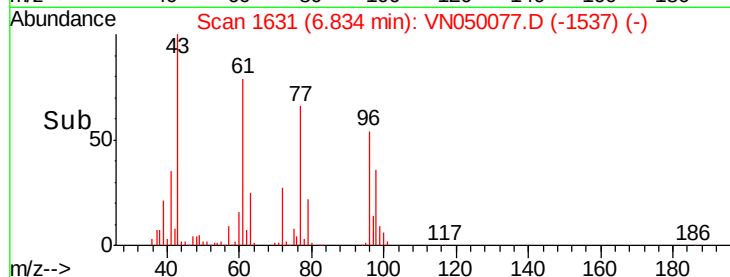
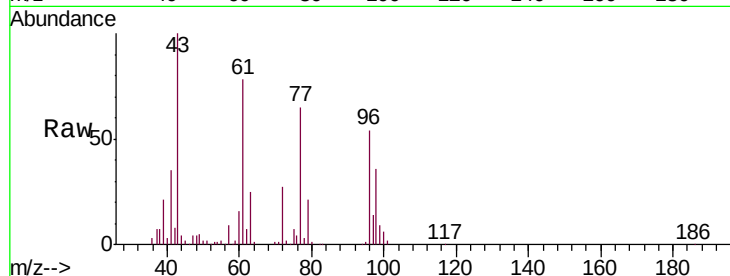
#27
 cis-1,2-Dichloroethene
 Concen: 19.60 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0726WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	148772		
61	144.0	0.0	285.0	
98	64.4	0.0	129.2	

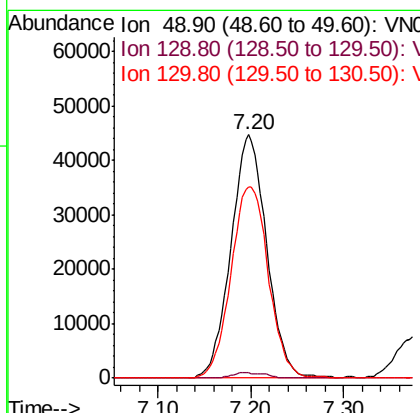
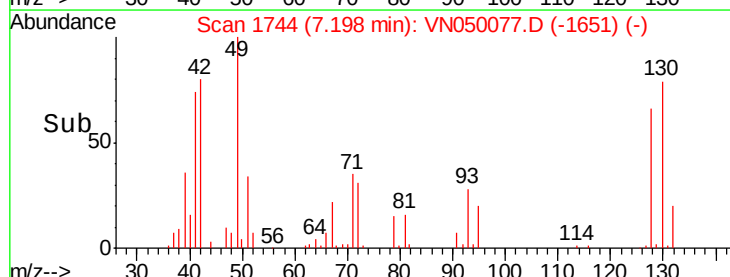
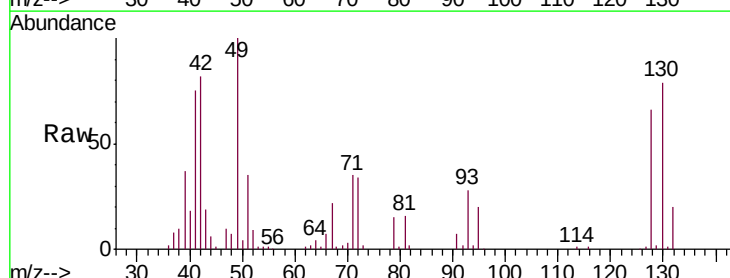
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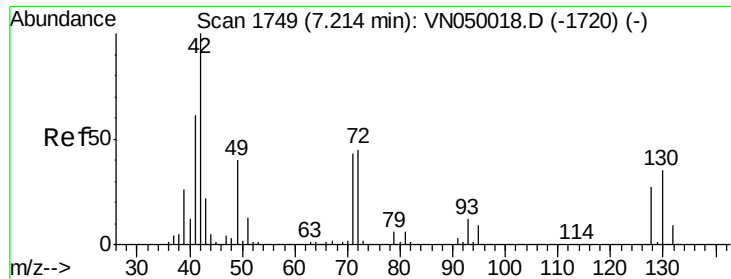
MMDadoda
 7/27/2018 12:15:34 PM



#28
 Bromochloromethane
 Concen: 19.59 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	119566		
129	1.4	0.0	4.0	
130	82.2	66.3	99.5	





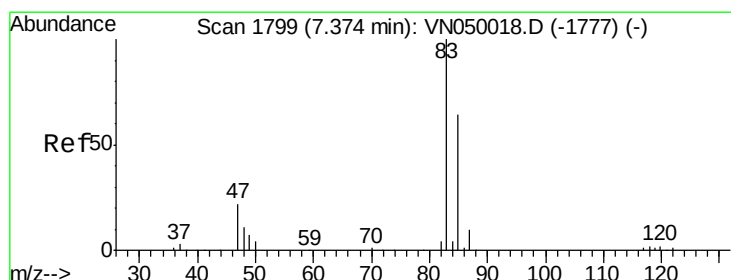
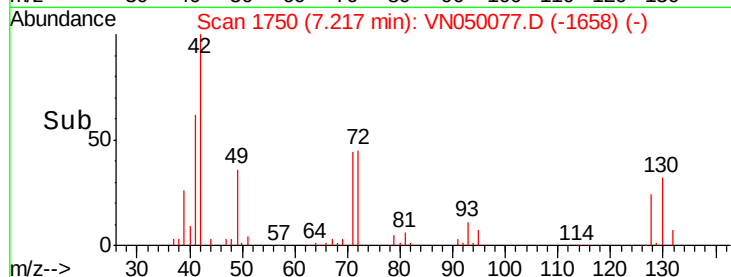
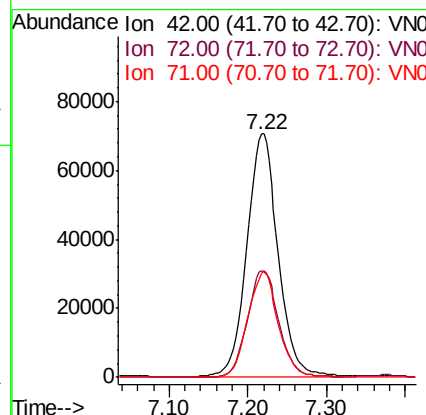
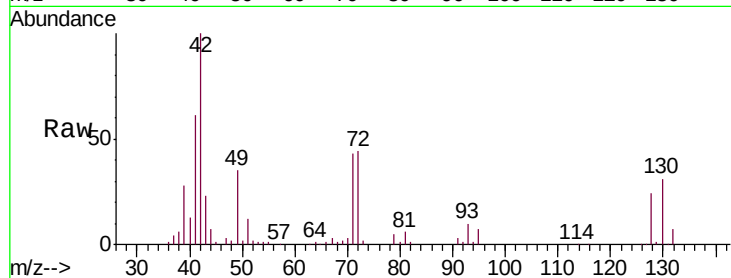
#29
Tetrahydrofuran
Concen: 98.71 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.9	53.9
71	42.7	33.7	50.5

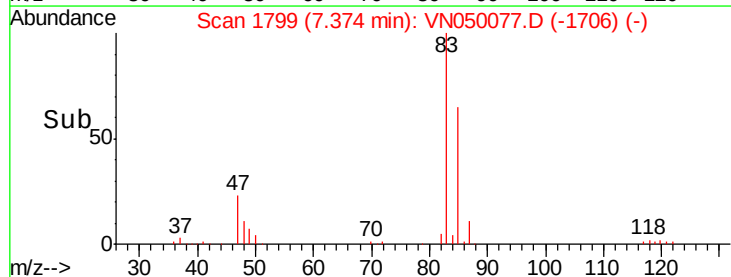
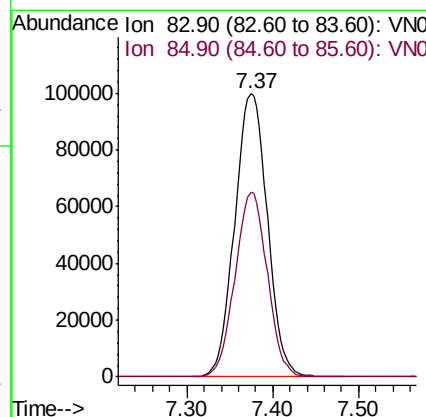
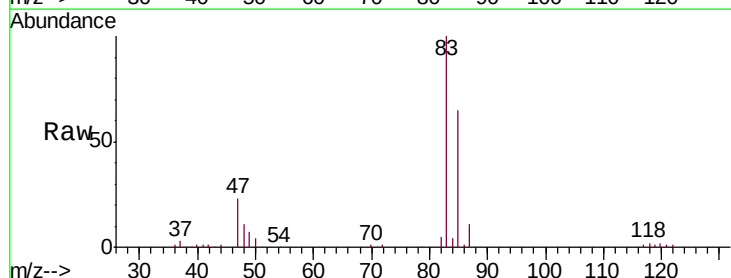
Manual Integrations
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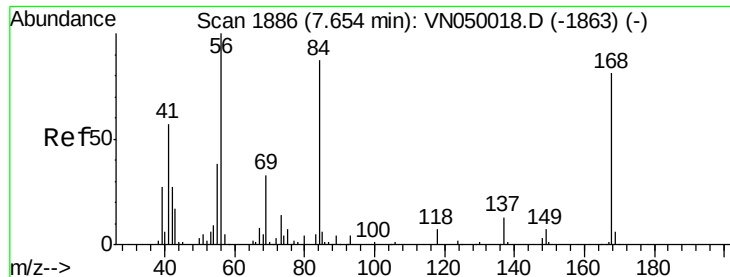
MMDadoda
7/27/2018 12:15:34 PM



#30
Chloroform
Concen: 19.30 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7





#31

Cyclohexane

Concen: 17.73 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

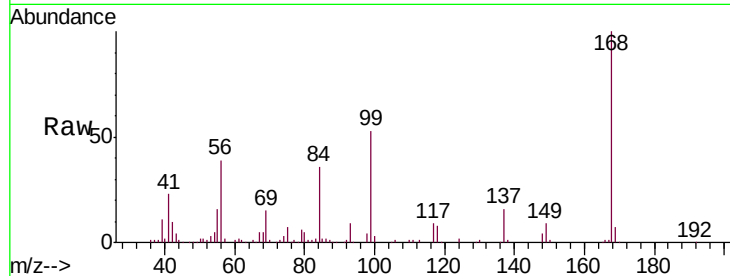
ClientSampled :

VN0726WBSD01

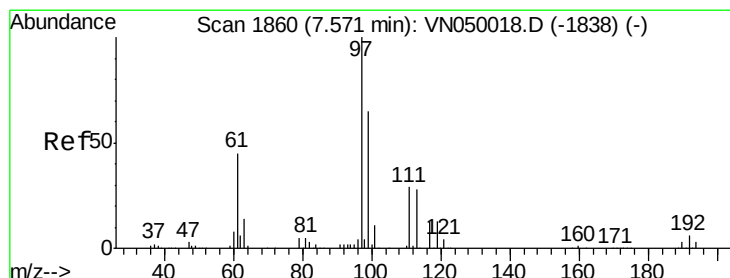
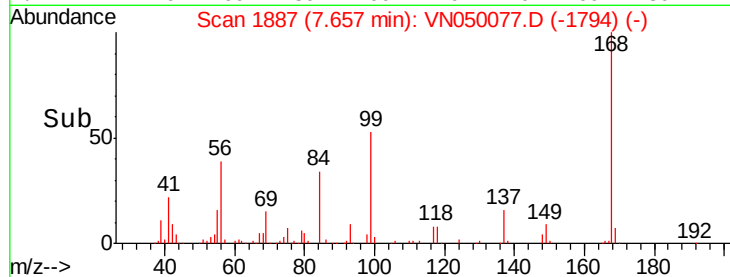
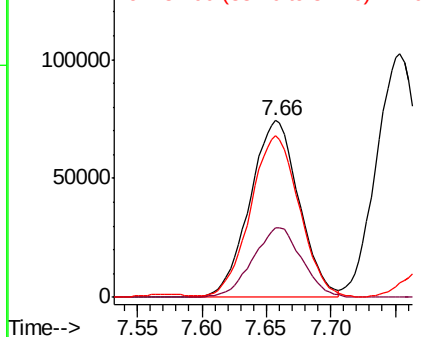
Tot Ion:	56	Resp:	197244
Ion	Ratio	Lower	Upper
56	100		
69	39.1	26.2	39.4
84	90.3	67.4	101.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.39 ug/l

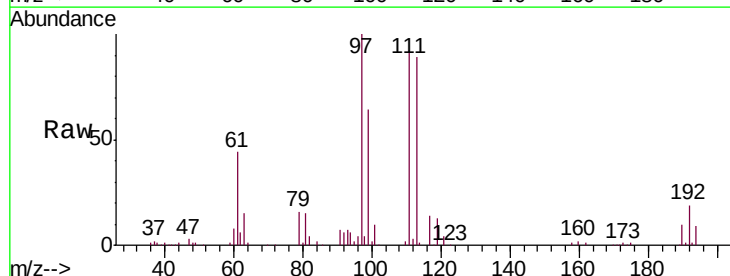
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

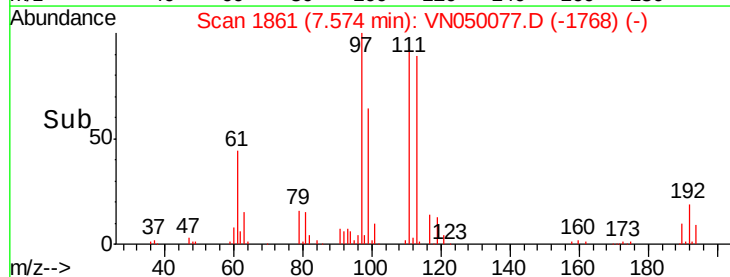
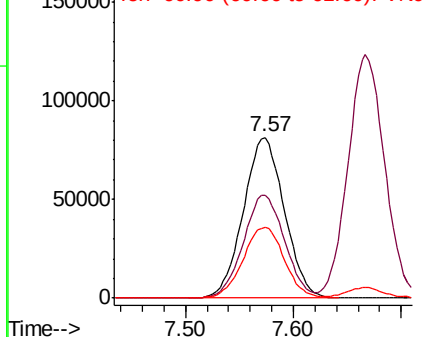
Lab File: VN050077.D

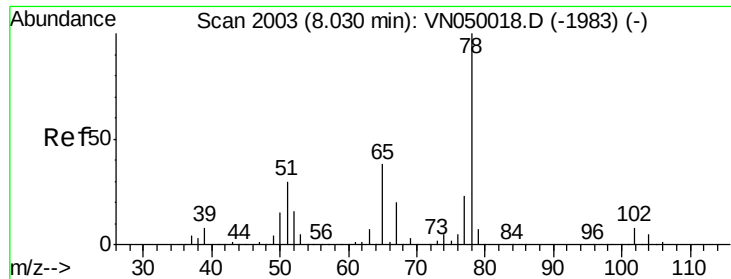
Acq: 26 Jul 2018 13:02

Tgt Ion:	97	Resp:	214840
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.6	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.48 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 65 Resp: 414795

Ion Ratio Lower Upper

65 100

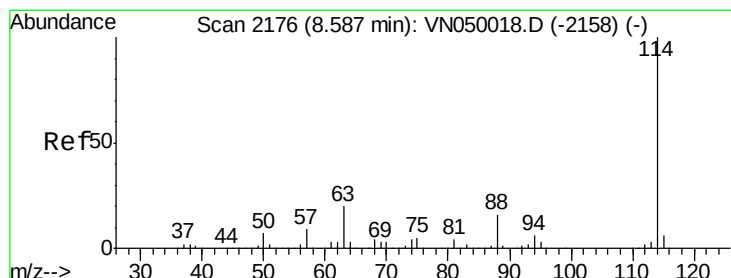
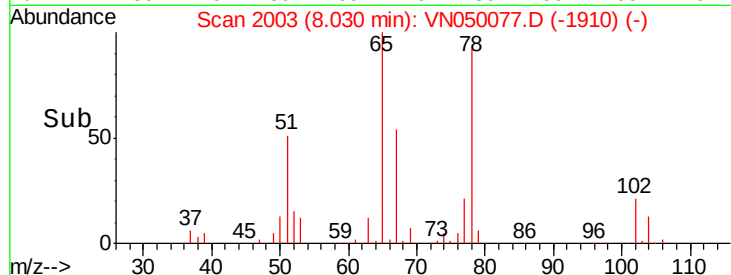
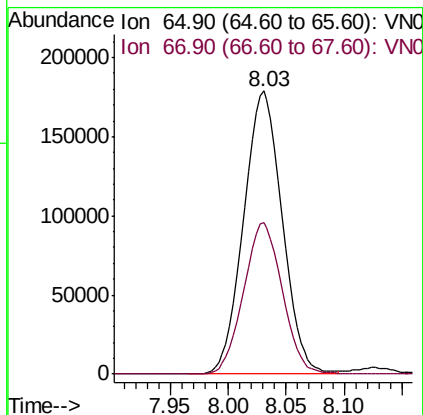
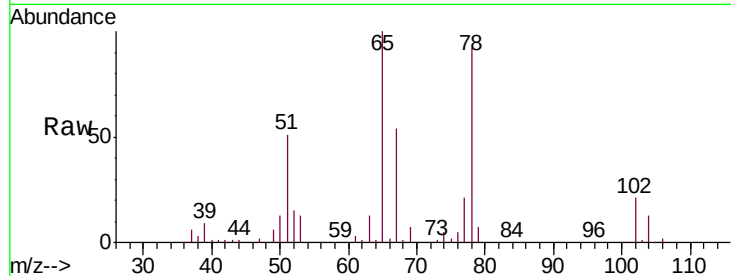
67 53.8 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

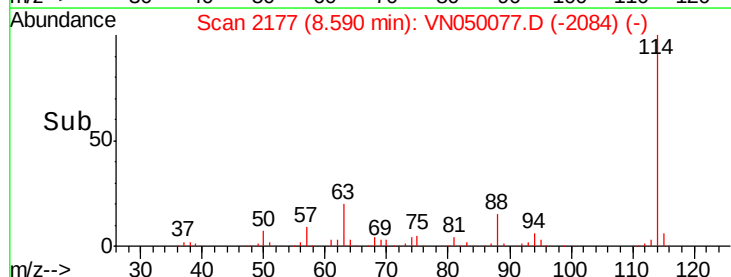
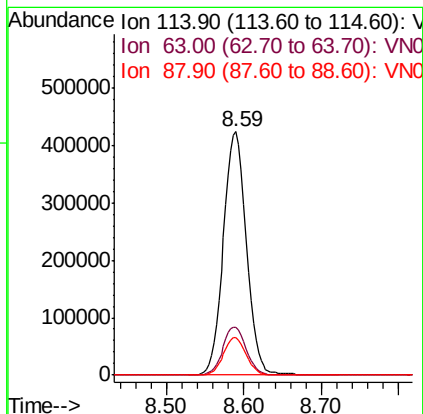
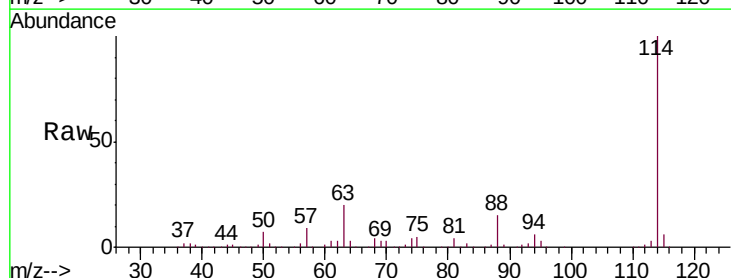
Tgt Ion: 114 Resp: 877953

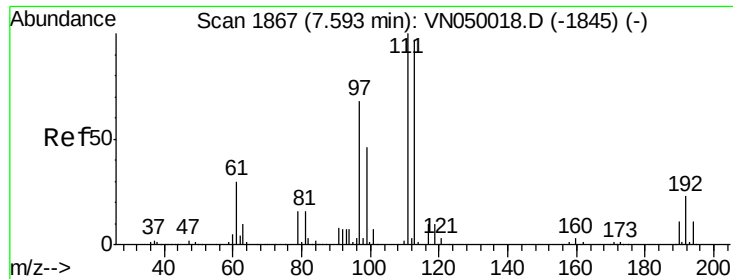
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.5 0.0 31.2





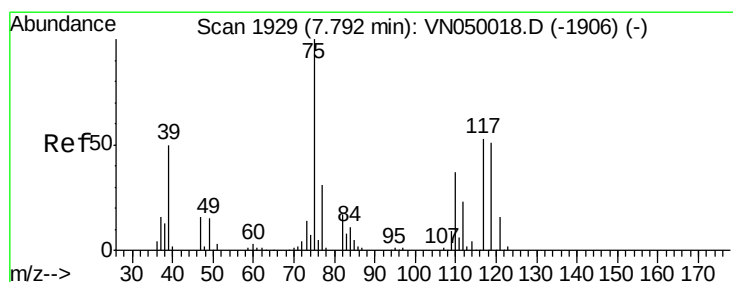
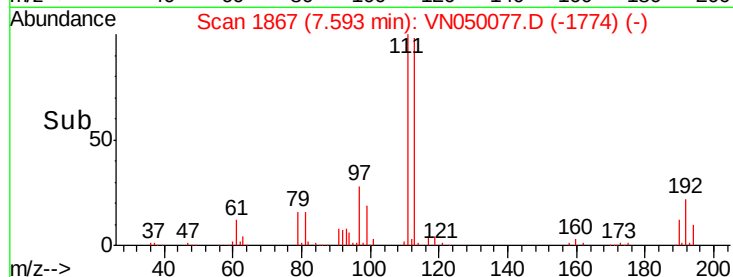
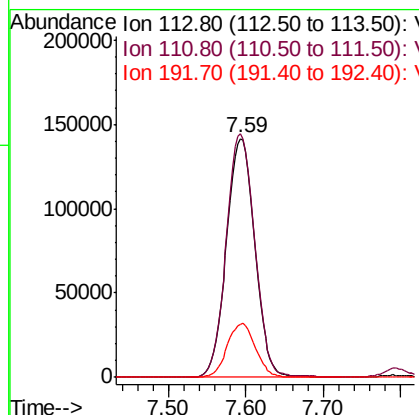
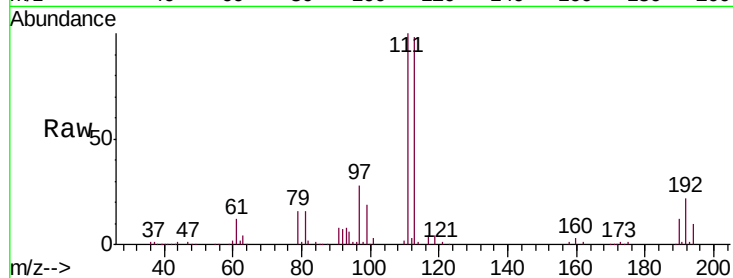
#35
 Dibromofluoromethane
 Concen: 50.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	361317		
111	102.0	80.7	121.1	
192	22.5	17.8	26.6	

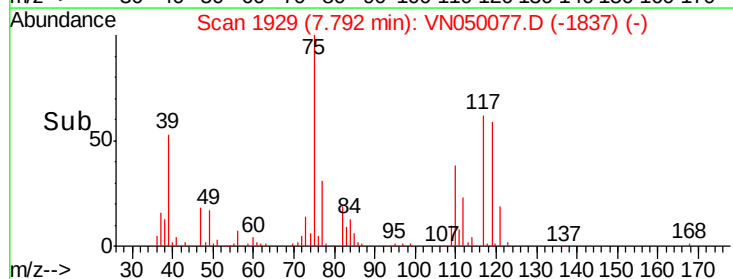
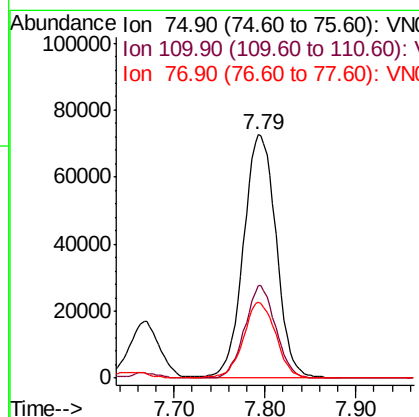
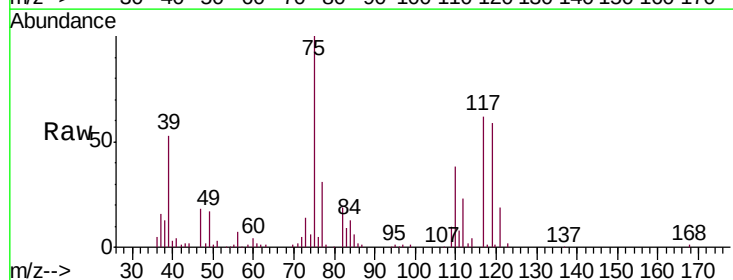
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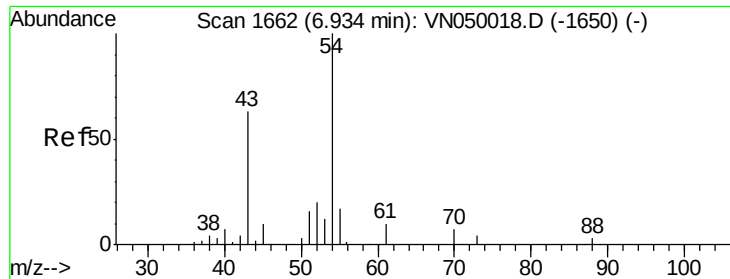
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#36
 1,1-Dichloropropene
 Concen: 18.21 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180119		
110	36.0	18.4	55.2	
77	31.2	25.3	37.9	





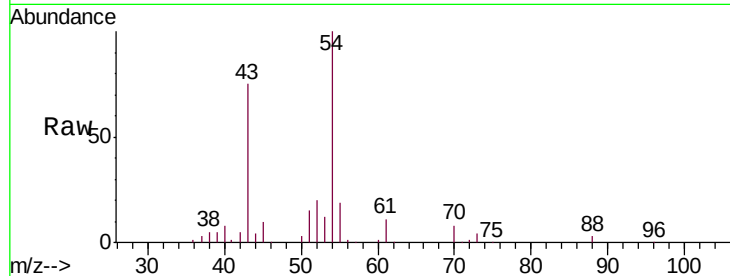
#37
Ethyl Acetate
Concen: 19.70 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

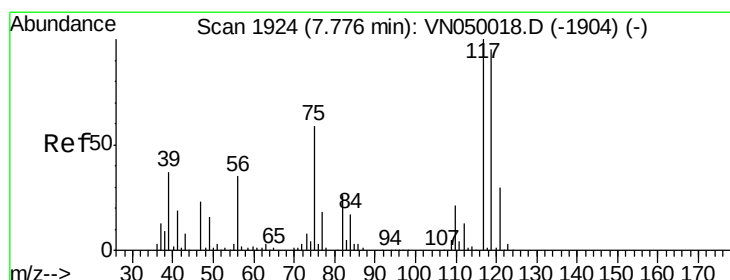
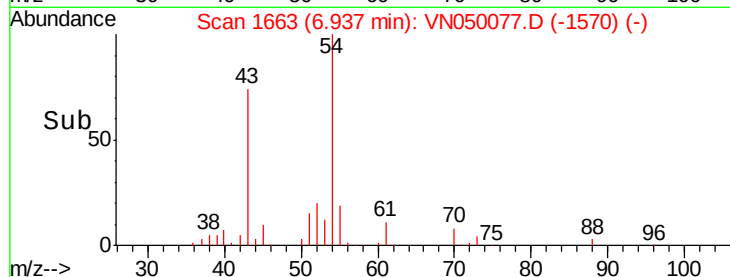
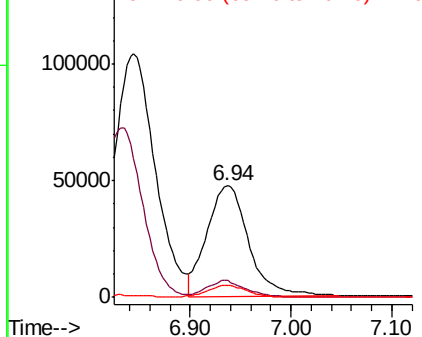
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	10.4	8.4	12.6

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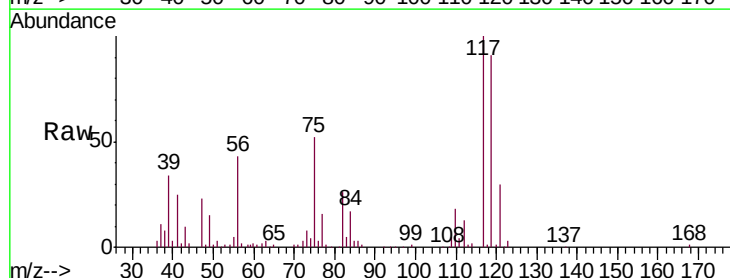


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

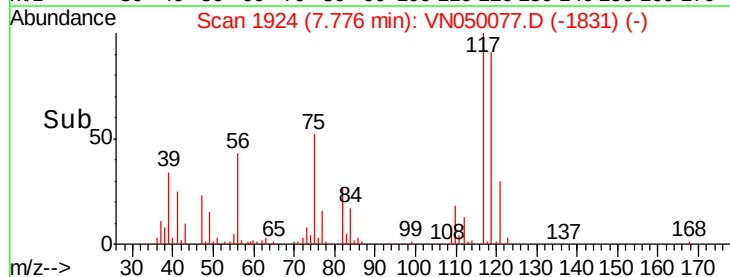
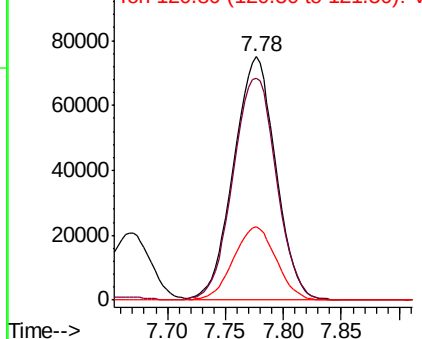


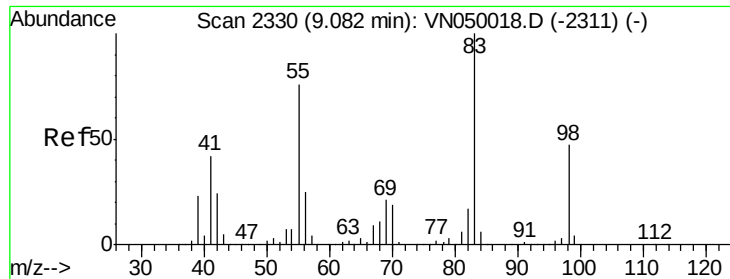
#38
Carbon Tetrachloride
Concen: 18.05 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	77.4	116.0
121	30.0	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





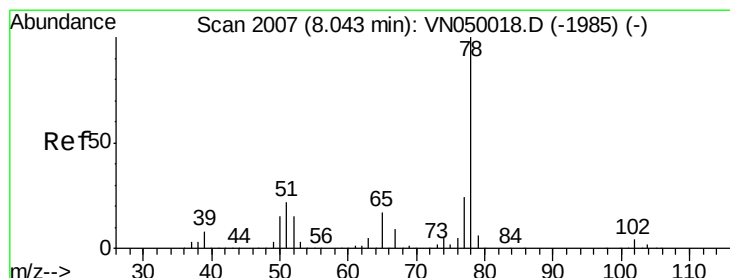
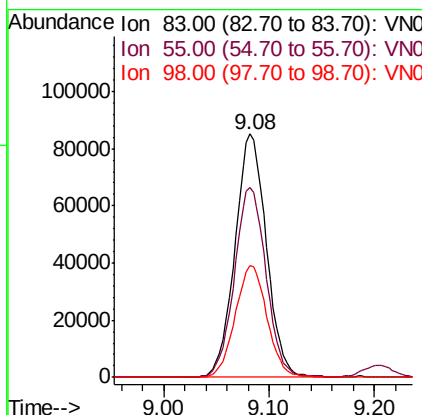
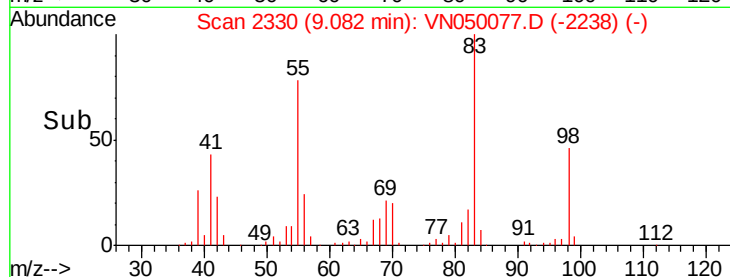
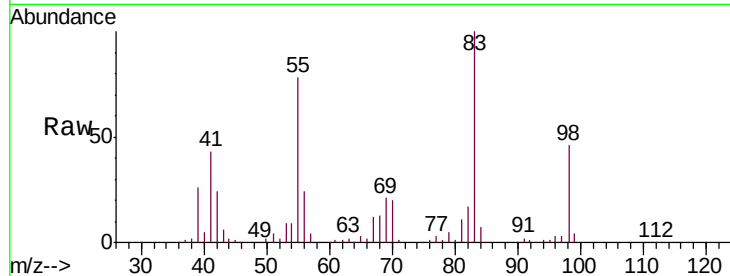
#39
Methylvlcyclohexane
Concen: 17.29 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	83.00	Resp	175957
Ion	Ratio	Lower	Upper
83	100		
55	78.1	61.8	92.8
98	45.7	36.5	54.7

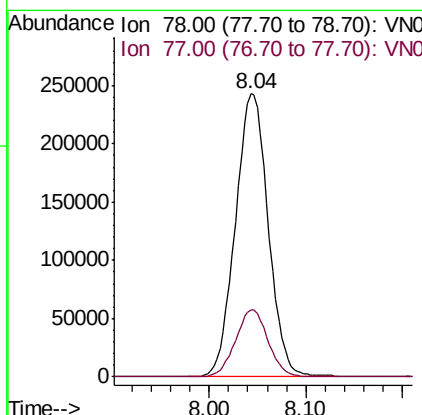
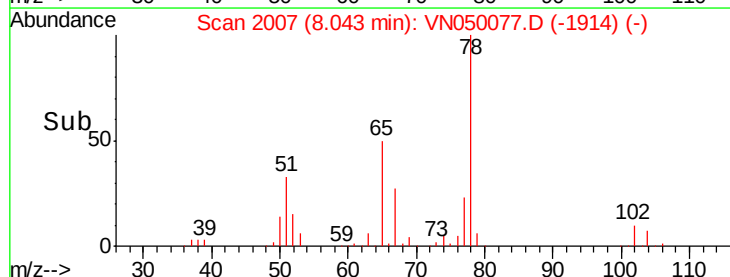
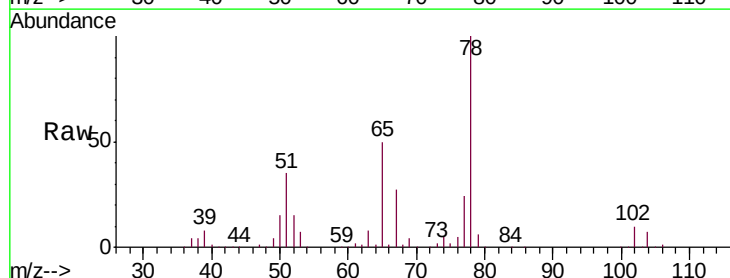
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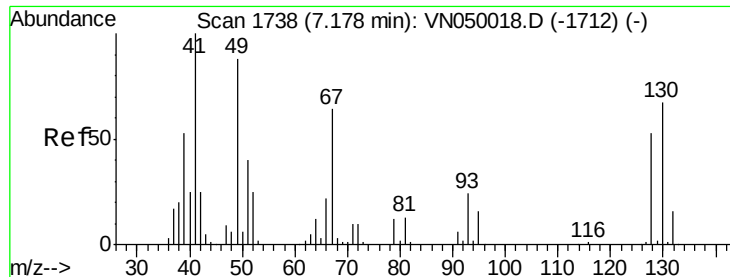
MMDadoda
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#40
Benzene
Concen: 19.08 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	78.00	Resp	574246
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





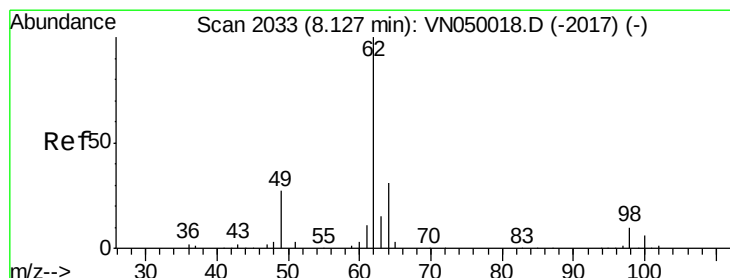
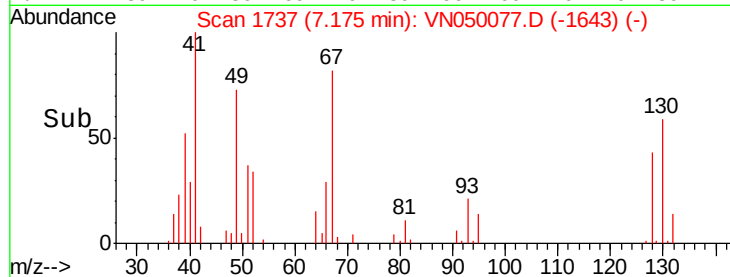
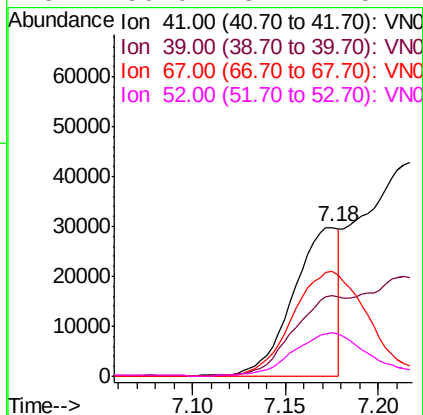
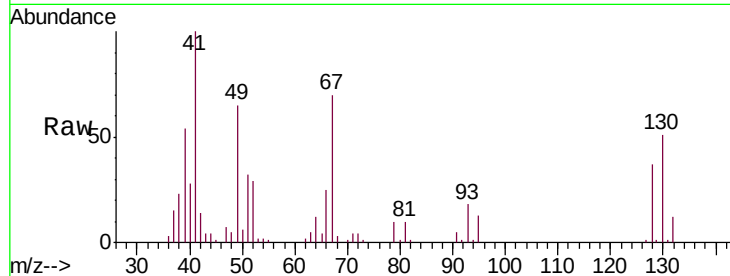
#41
Methacrylonitrile
Concen: 16.06 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0726WBSD01

Tot Ion:	41	Resp:	50606
Ion	Ratio	Lower	Upper
41	100		
39	66.2	55.8	83.6
67	117.6	84.3	126.5
52	50.0	34.2	51.2

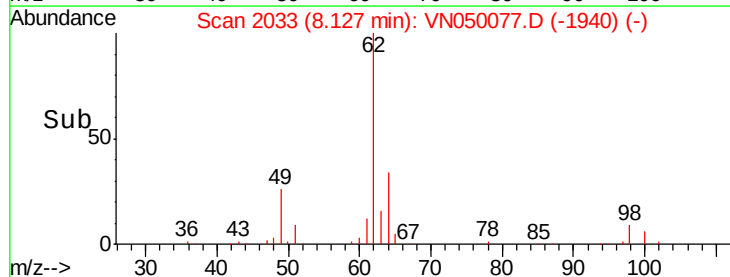
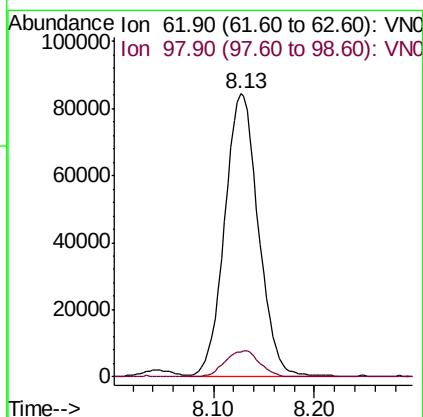
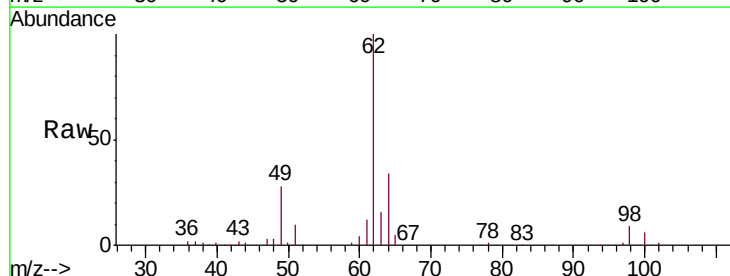
Manual Integrations
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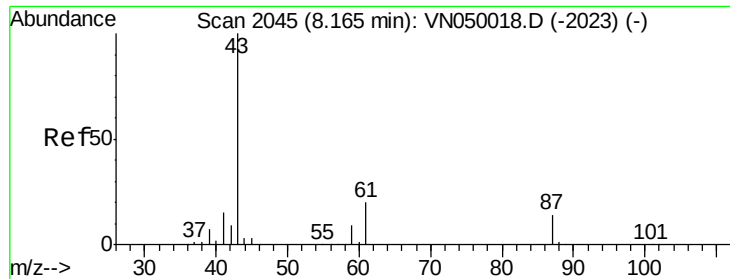
MMDadoda
7/27/2018 12:15:34 PM



#42
1,2-Dichloroethane
Concen: 19.46 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion:	62	Resp:	195401
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





#43

Isopropyl Acetate

Concen: 20.28 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

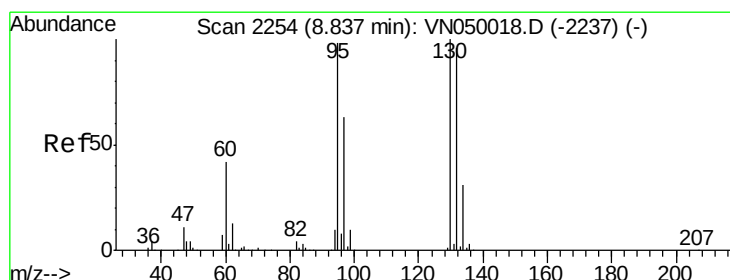
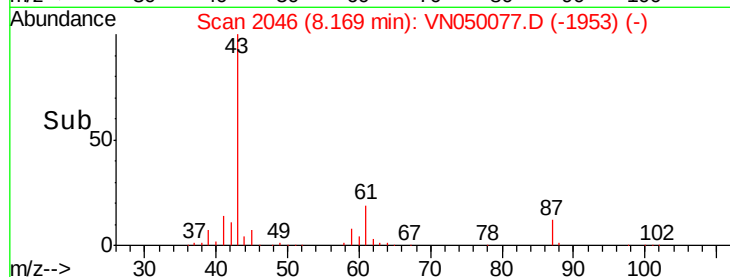
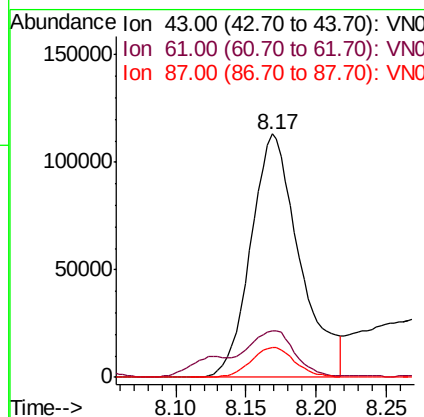
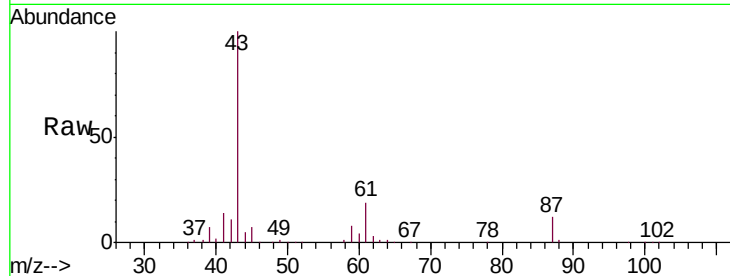
ClientSampleId :

VN0726WBSD01

Tot Ion:	43	Resp:	272370
Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.8	23.6
87	11.2	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 17.98 ug/l

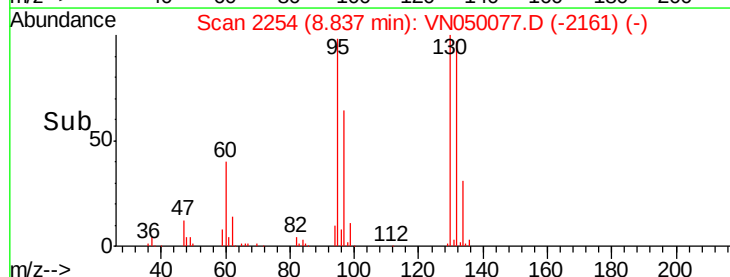
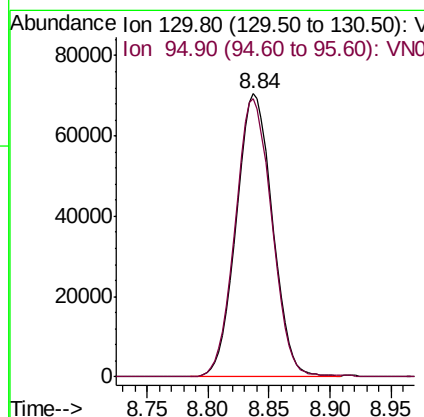
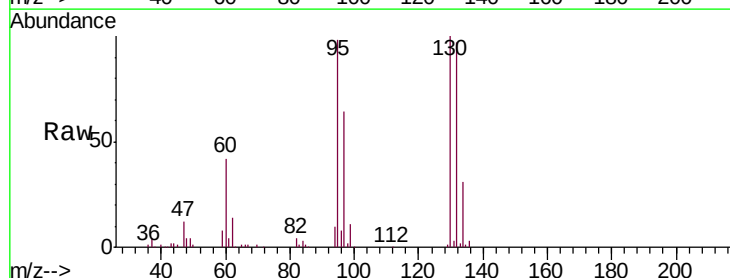
RT: 8.84 min Scan# 2254

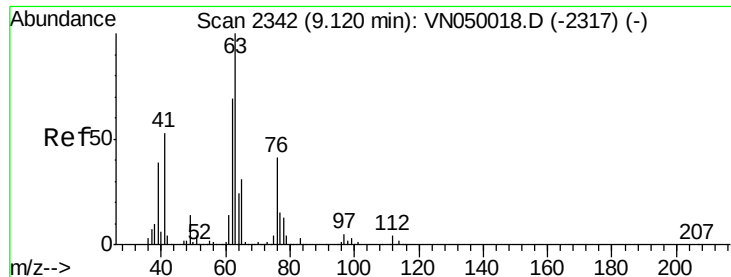
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	130	Resp:	145390
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	194.6





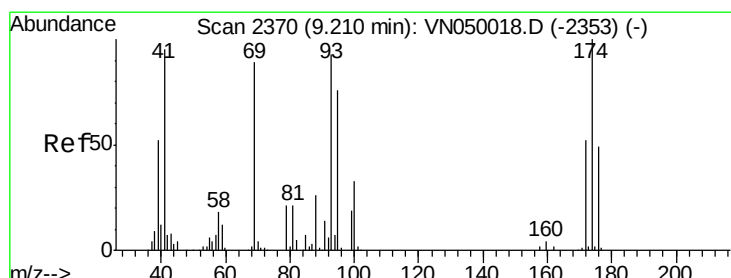
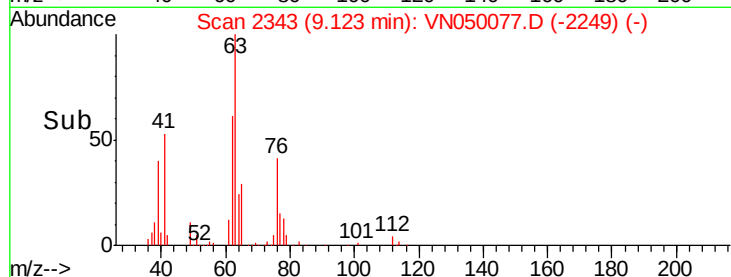
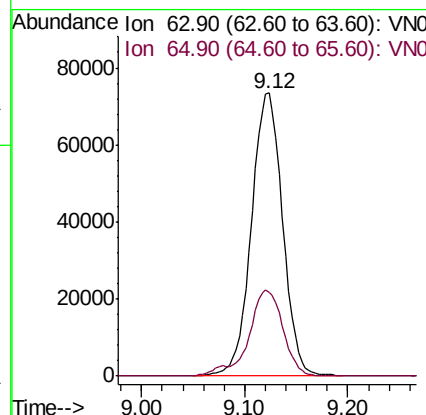
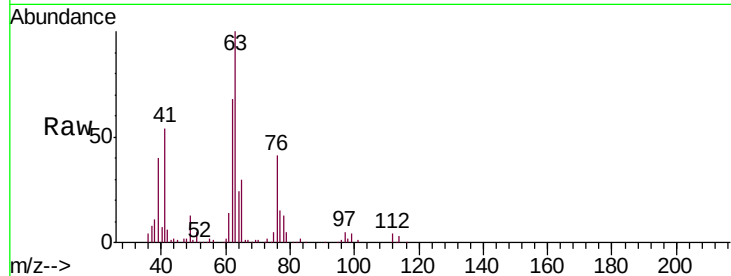
#45
 1,2-Dichloropropane
 Concen: 19.34 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion: 63 Resp: 154182
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.5 38.3

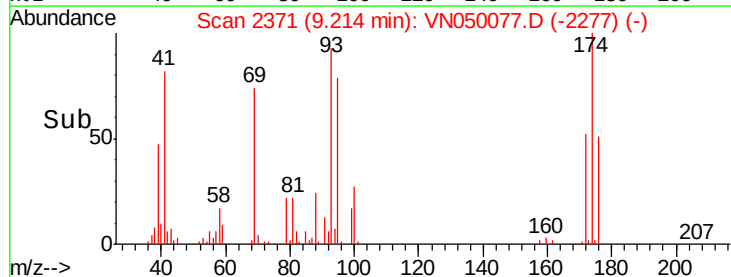
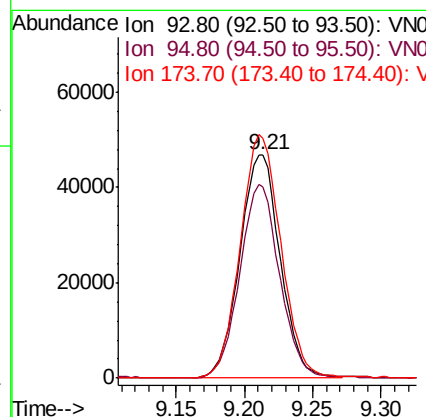
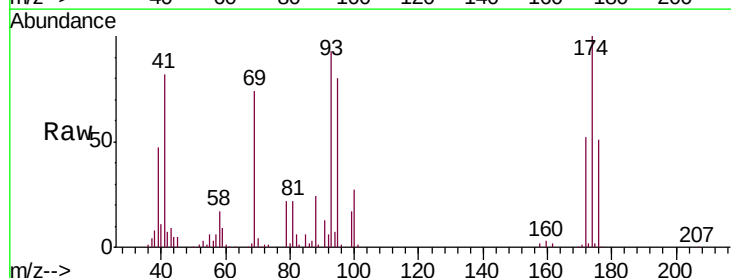
Manual Integrations
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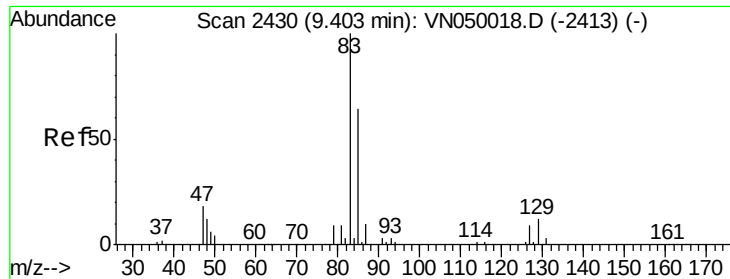
MMDadoda
 7/27/2018 12:15:34 PM



#46
 Dibromomethane
 Concen: 19.47 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion: 93 Resp: 96400
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.6 100.0
 174 109.8 87.1 130.7





#47

Bromodichloromethane

Concen: 19.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

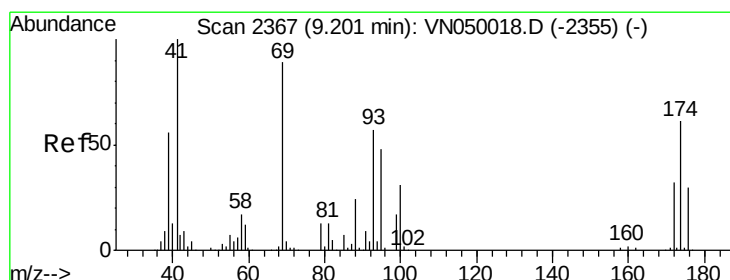
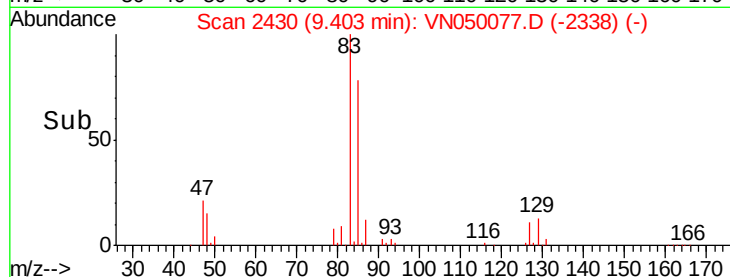
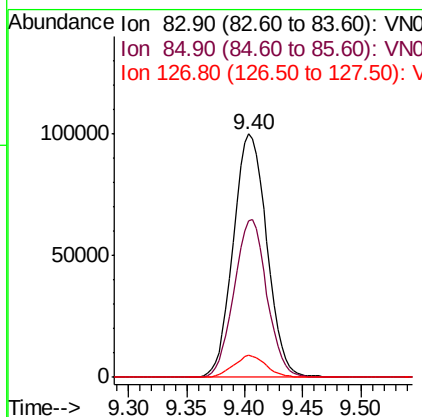
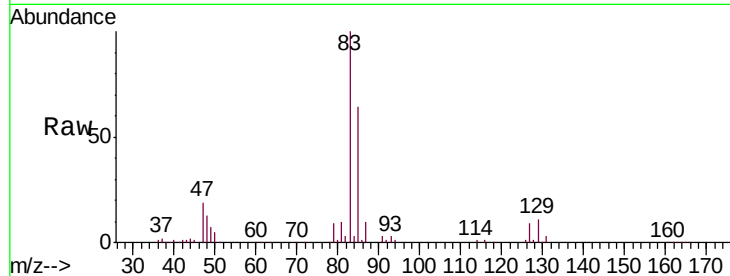
ClientSampleId :

VN0726WBSD01

Tot Ion:	83	Resp:	200631
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.1	76.7
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.50 ug/l

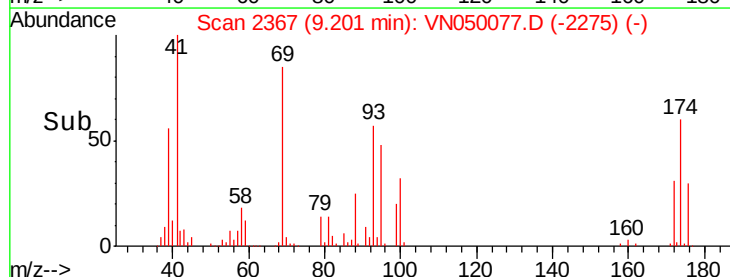
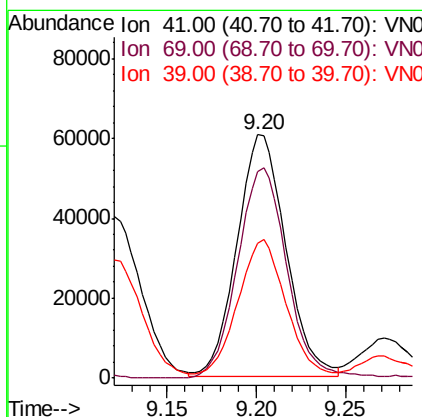
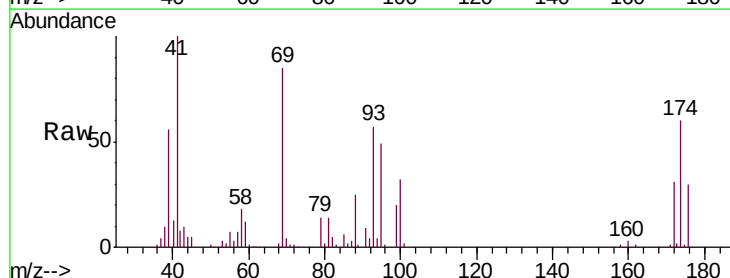
RT: 9.20 min Scan# 2367

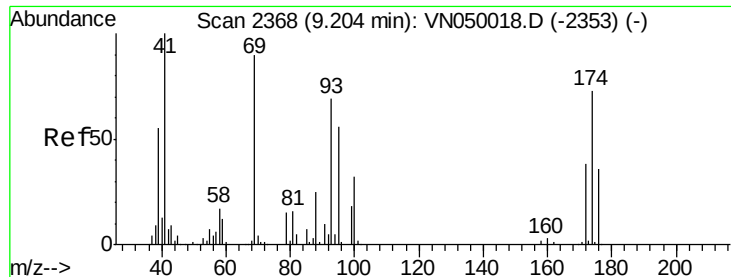
Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	41	Resp:	115791
Ion Ratio	Lower	Upper	
41	100		
69	88.2	70.6	105.8
39	56.4	43.9	65.9





#49

1,4-Dioxane

Concen: 399.22 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

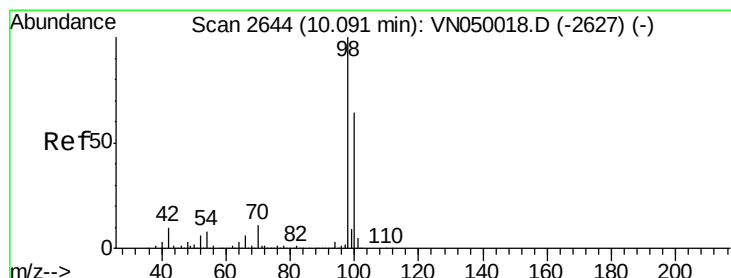
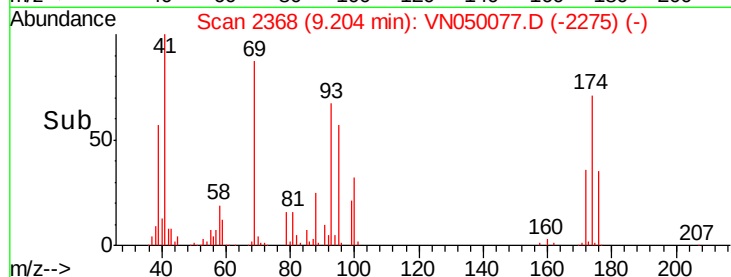
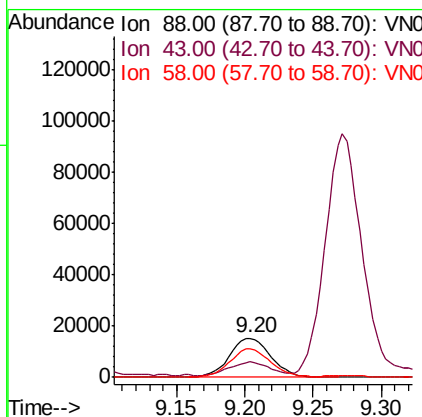
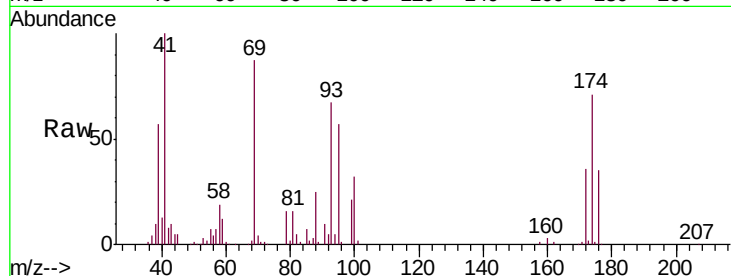
ClientSampleId :

VN0726WBSD01

Tot Ion:	88	Resp:	32268
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.9	40.3
58	72.5	57.3	85.9

Manual Integrations
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#50

Toluene-d8

Concen: 48.62 ug/l

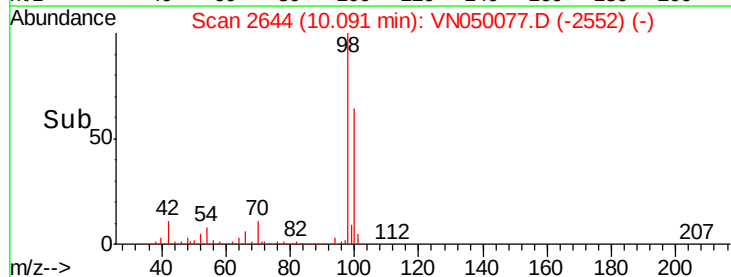
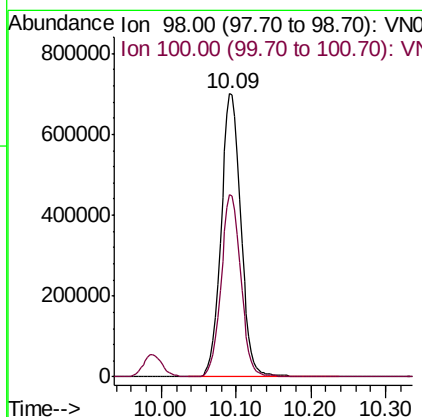
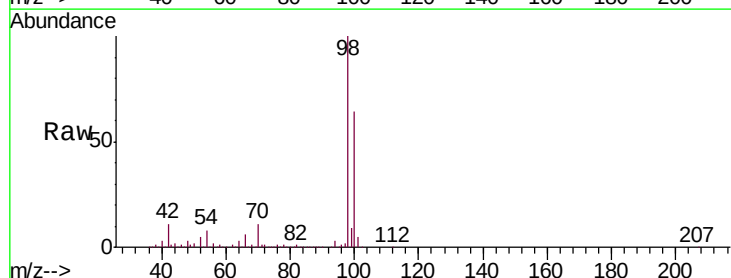
RT: 10.09 min Scan# 2644

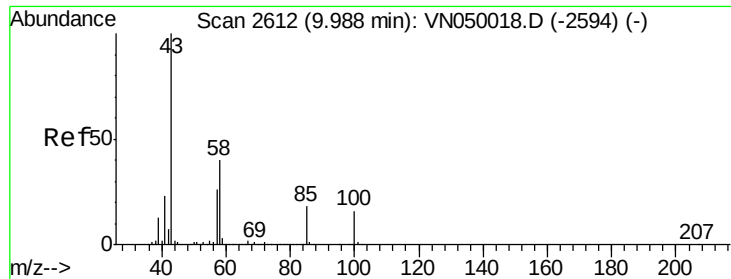
Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	98	Resp:	1281337
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1





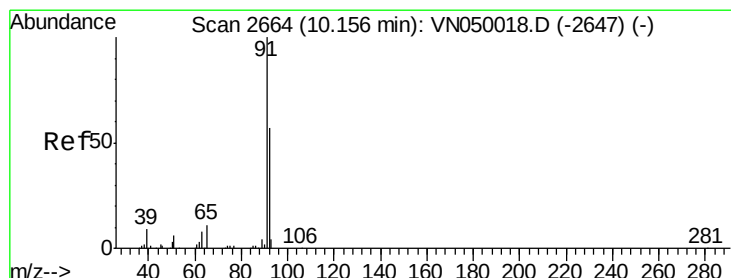
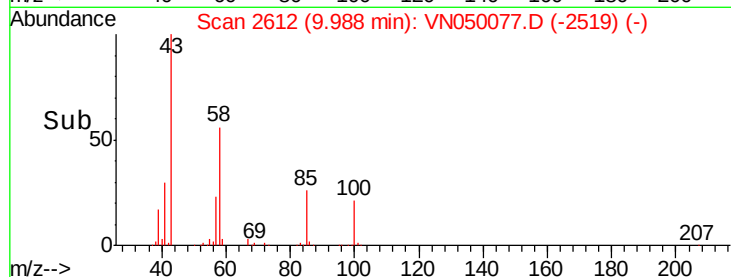
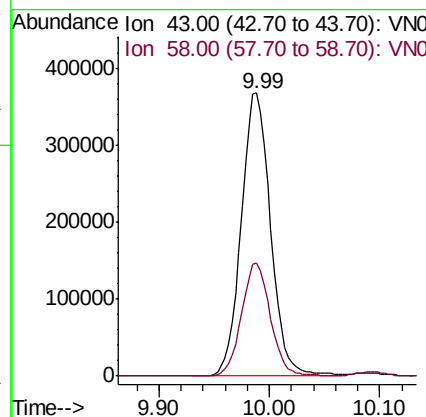
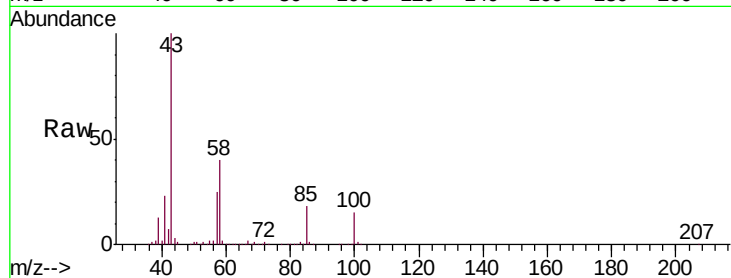
#51
 4-Methyl-2-Pentanone
 Concen: 99.71 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.9	47.9

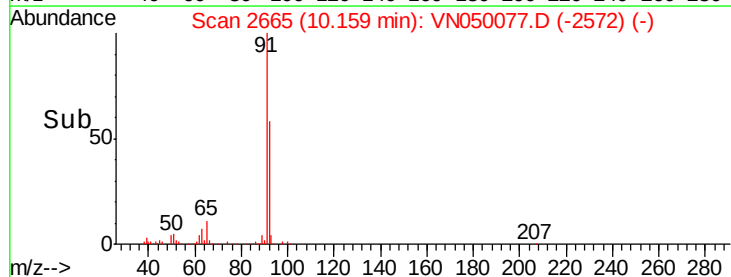
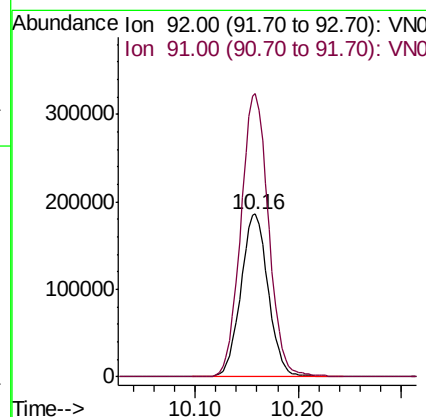
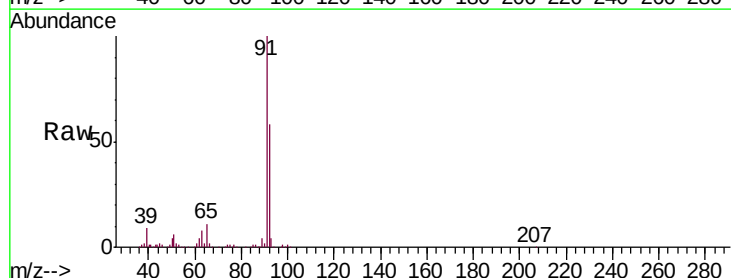
Manual Integrations
 APPROVED

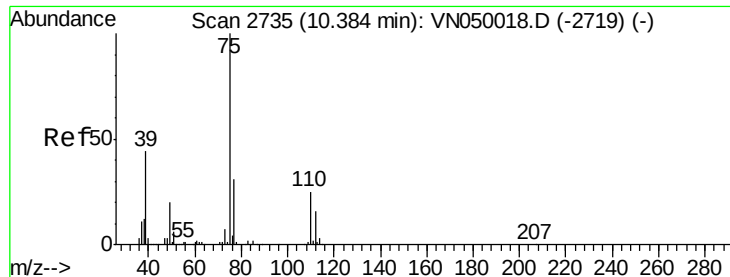
MMDadoda
 7/27/2018 12:15:34 PM



#52
 Toluene
 Concen: 19.39 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 19.45 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0726WBSD01

Tot Ion: 75 Resp: 191738

Ion Ratio Lower Upper

75 100

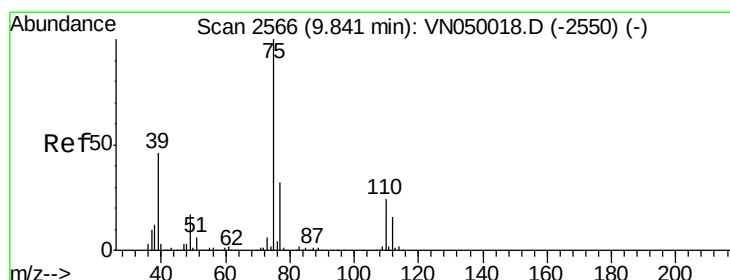
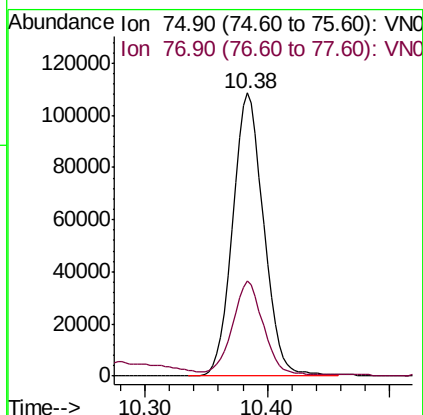
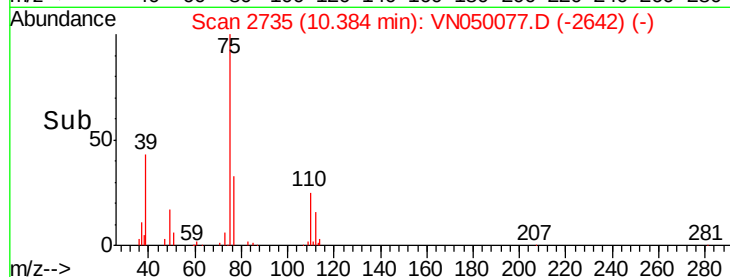
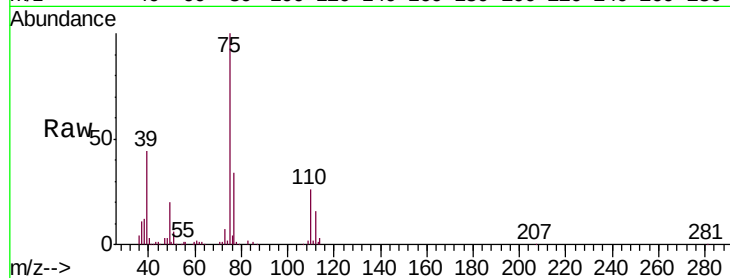
77 33.0 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.54 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

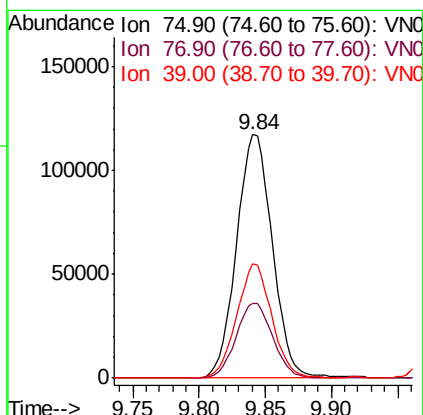
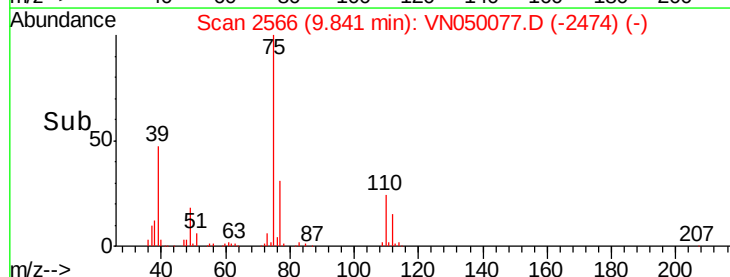
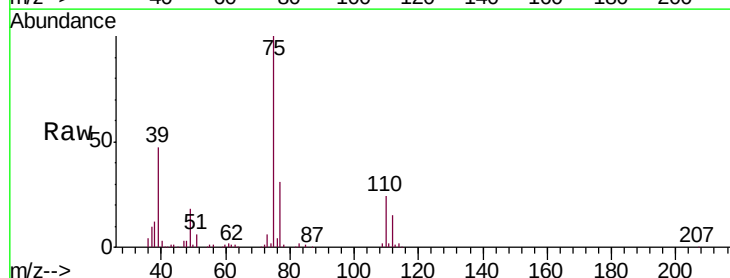
Tgt Ion: 75 Resp: 220108

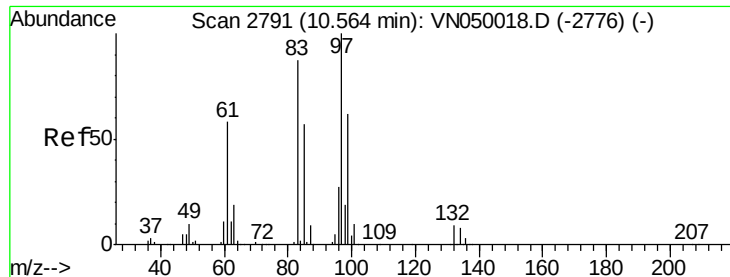
Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 46.6 36.6 55.0





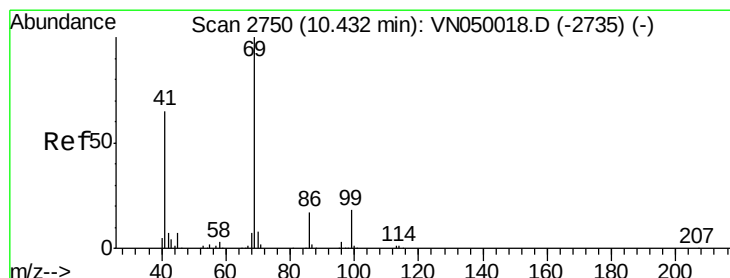
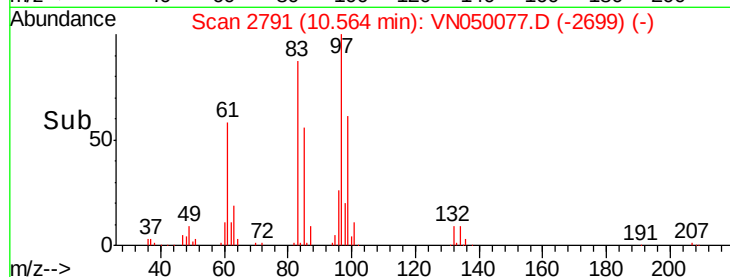
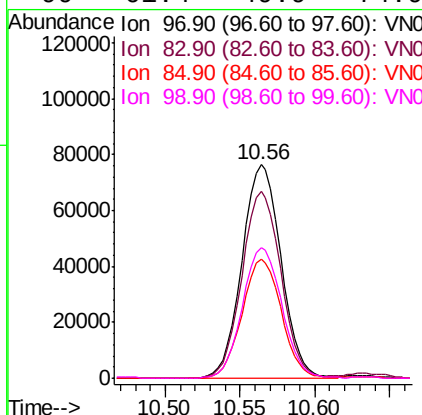
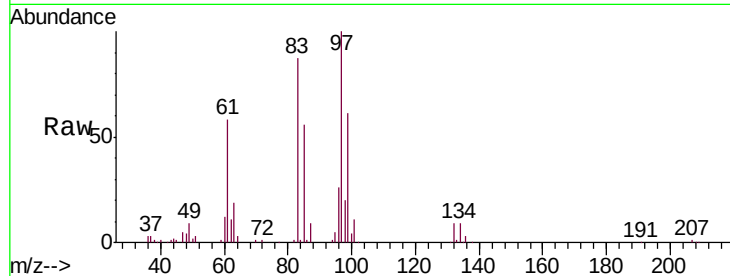
#55
 1,1,2-Trichloroethane
 Concen: 19.80 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.2	103.8
85	55.7	44.0	66.0
99	61.4	49.9	74.9

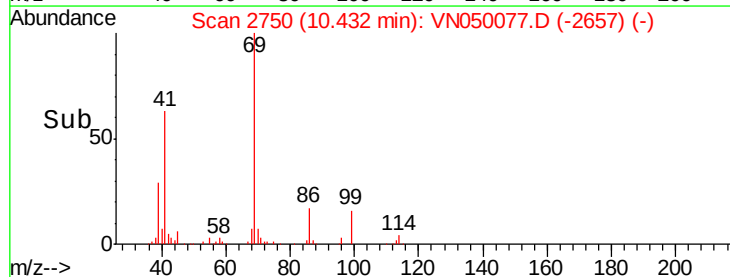
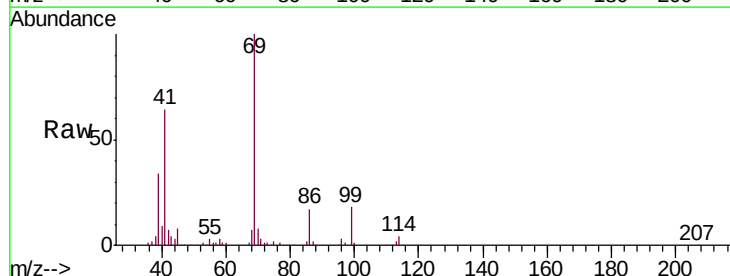
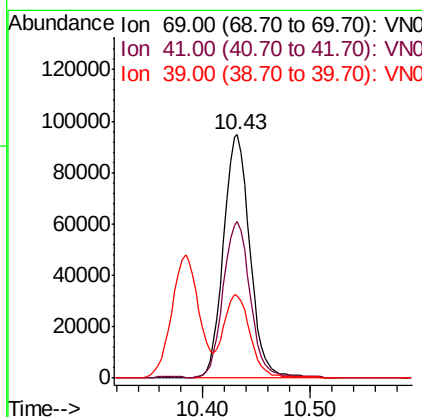
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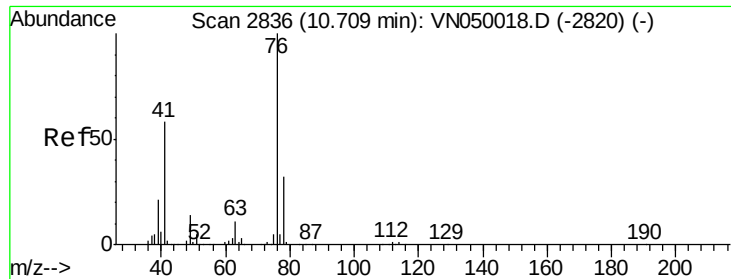
MMDadoda
 7/27/2018 12:15:34 PM



#56
 Ethyl methacrylate
 Concen: 18.32 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.0	76.4
39	34.8	26.6	40.0





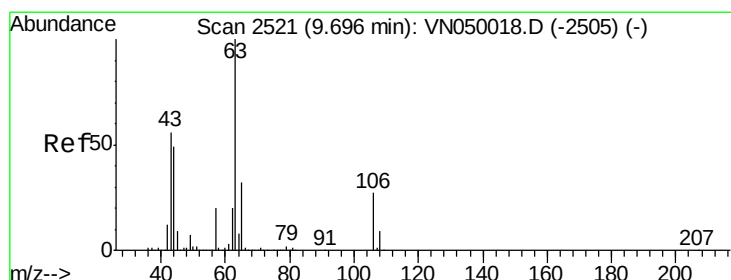
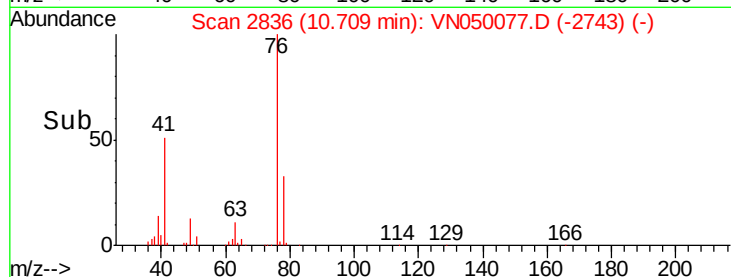
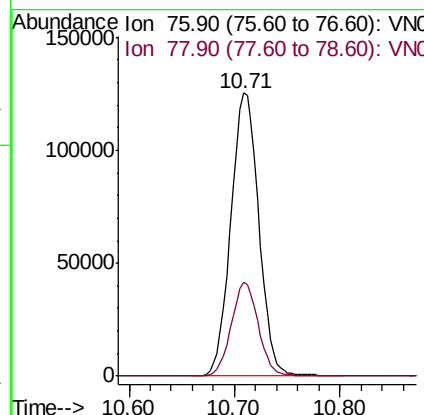
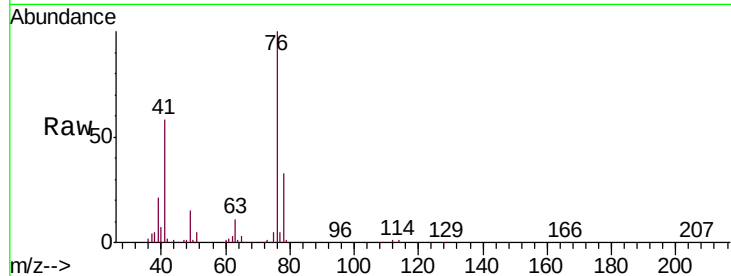
#57
 1,3-Dichloropropane
 Concen: 20.07 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion: 76 Resp: 230304
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

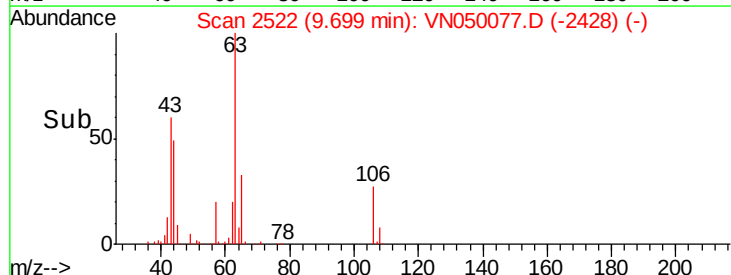
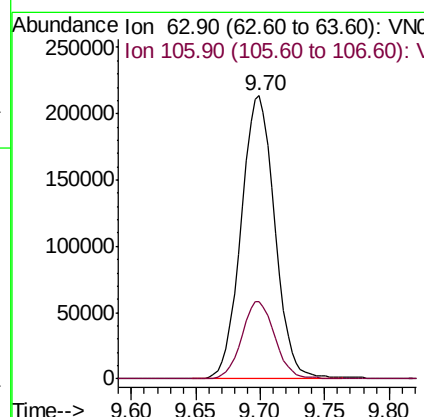
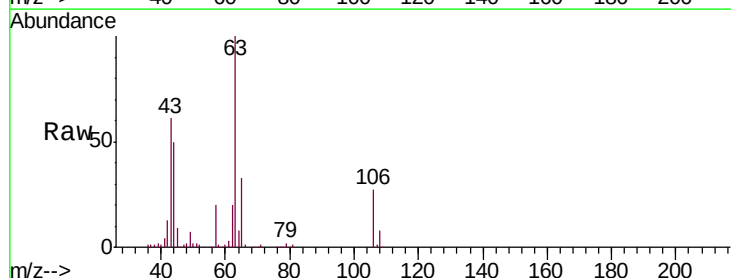
Manual Integrations
 APPROVED

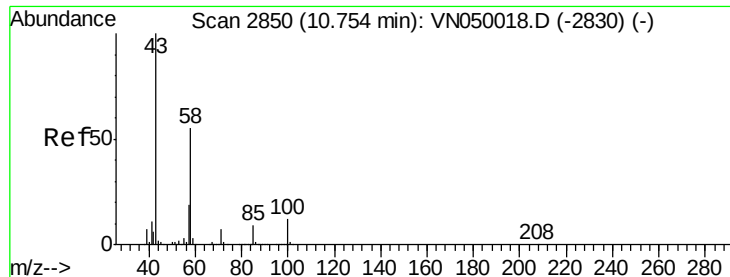
MMDadoda
 7/27/2018 12:15:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.60 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion: 63 Resp: 388235
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5





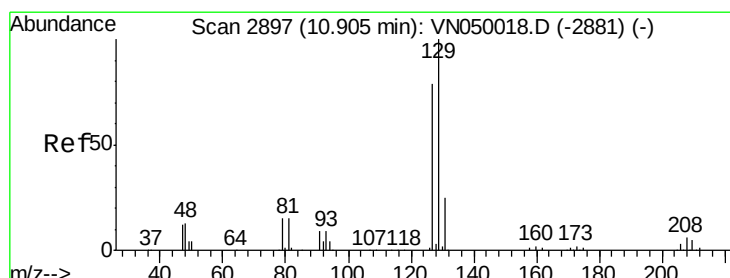
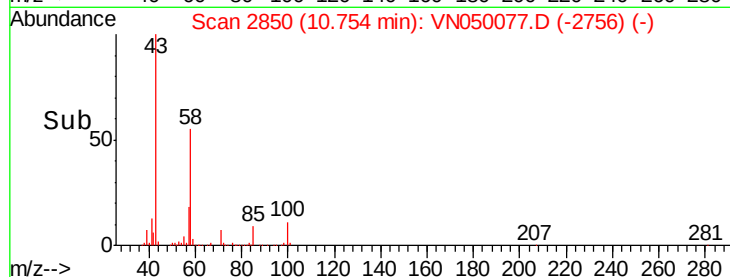
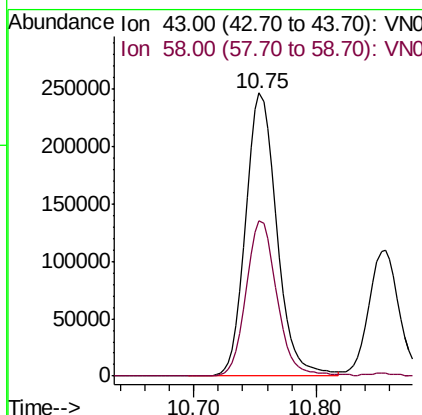
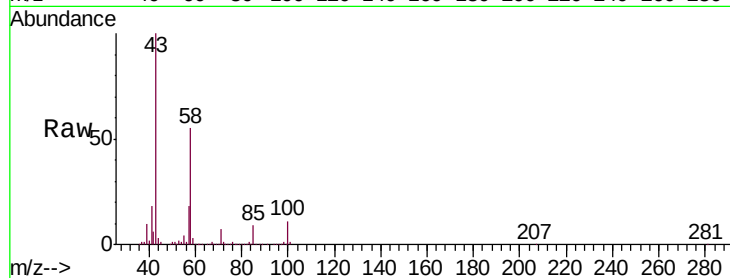
#59
2-Hexanone
Concen: 89.91 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion: 43 Resp: 431028
Ion Ratio Lower Upper
43 100
58 54.5 27.6 82.7

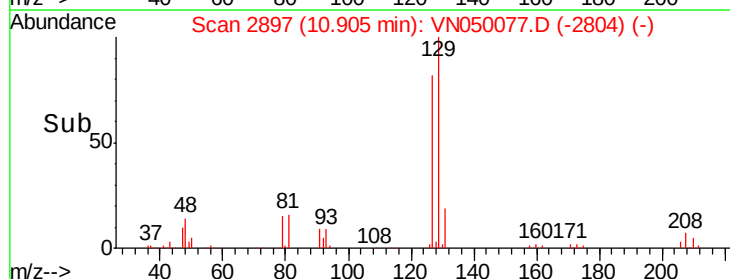
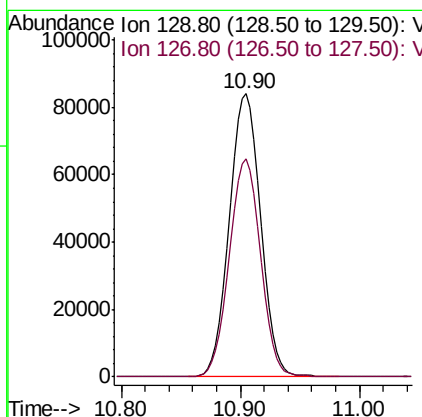
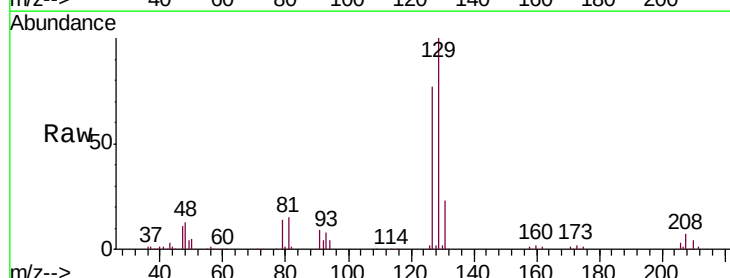
Manual Integrations
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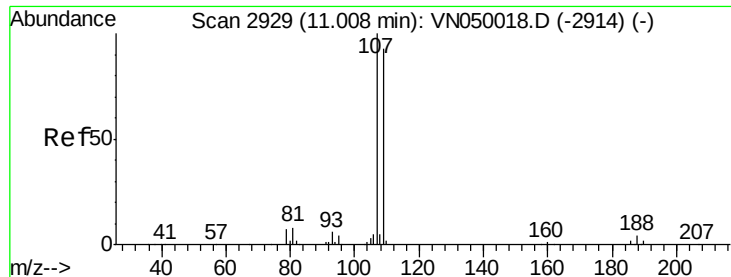
MMDadoda
7/27/2018 12:15:34 PM



#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion: 129 Resp: 153758
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.97 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 107 Resp: 132610

Ion Ratio Lower Upper

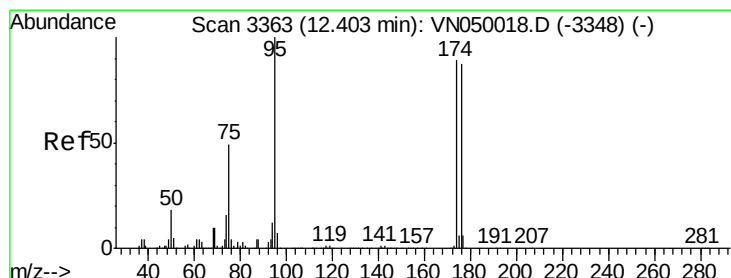
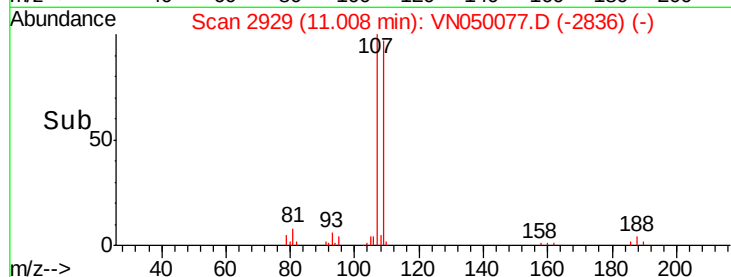
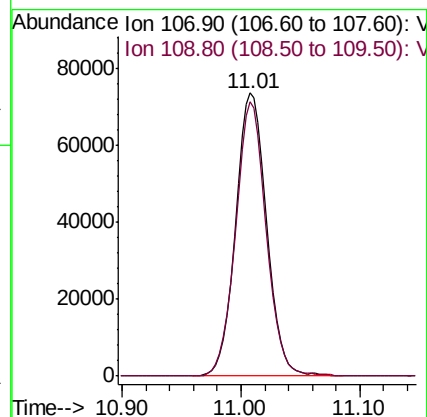
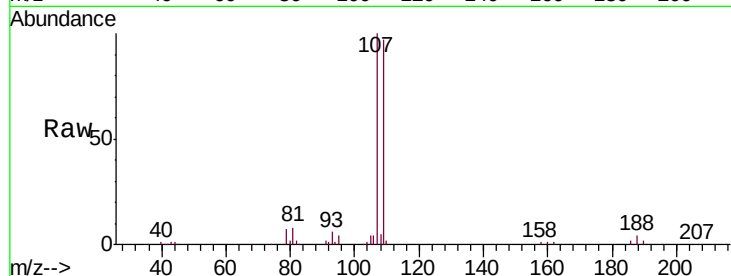
107 100

109 95.6 74.6 112.0

Manual Integrations
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MMDadoda

7/27/2018 12:15:34 PM



#62

4-Bromofluorobenzene

Concen: 47.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

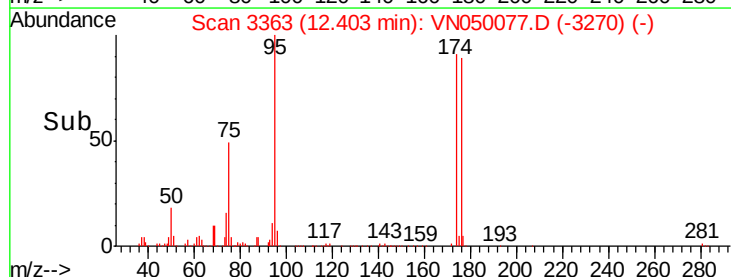
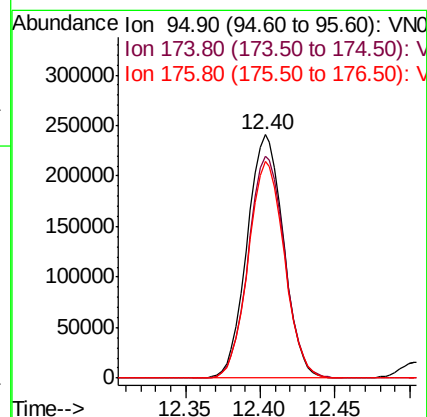
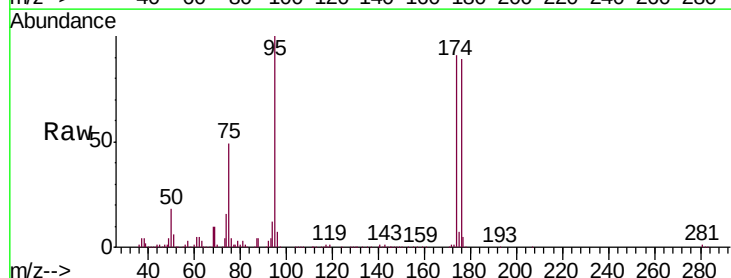
Tgt Ion: 95 Resp: 409875

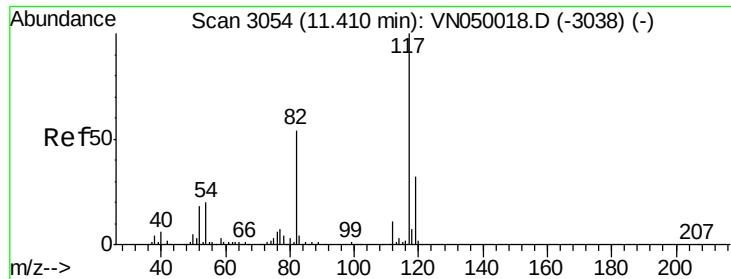
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 88.0 0.0 173.4





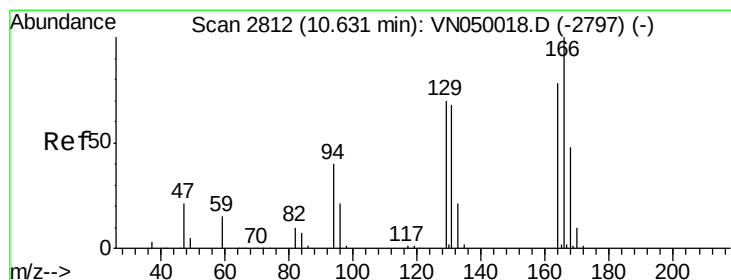
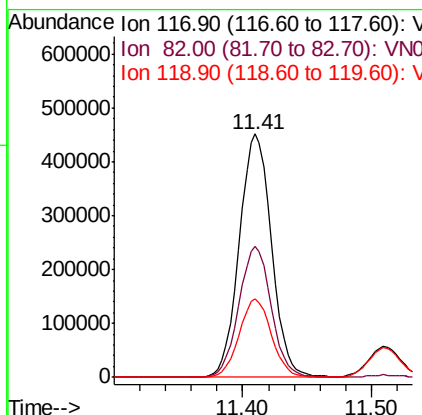
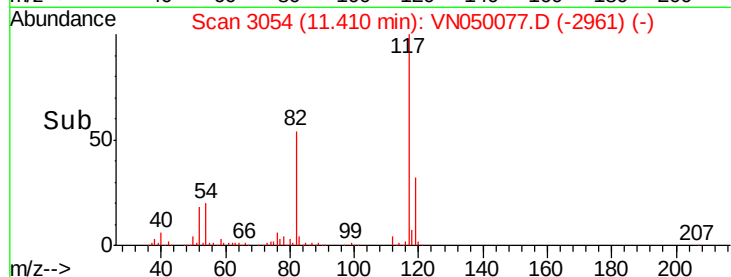
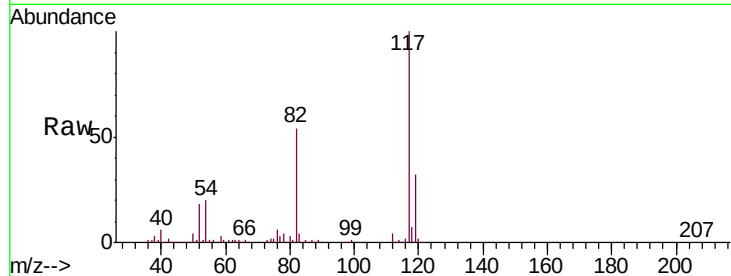
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	32.3	26.1	39.1

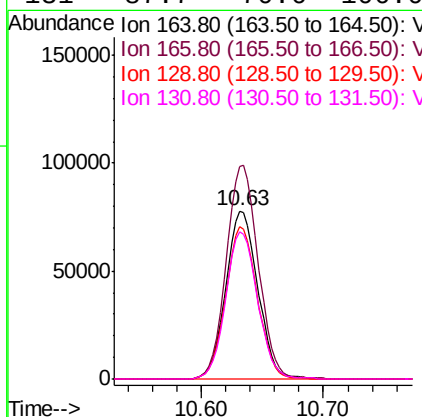
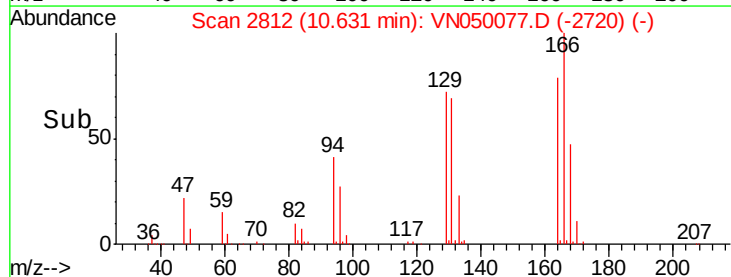
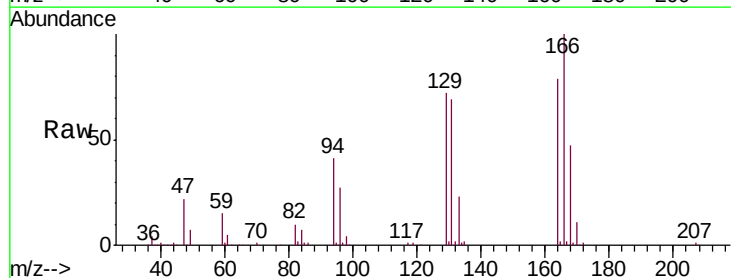
Manual Integrations
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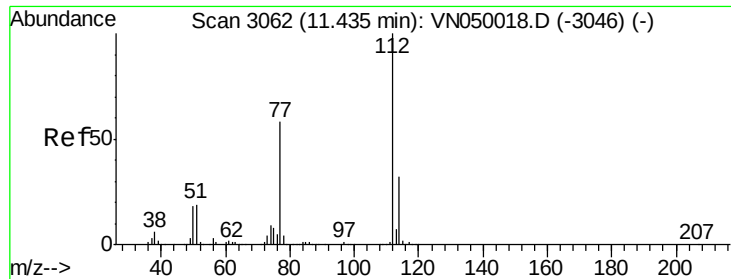
MMDadoda
7/27/2018 12:15:34 PM



#64
Tetrachloroethene
Concen: 18.85 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.1	153.1
129	90.8	73.2	109.8
131	87.7	70.6	106.0





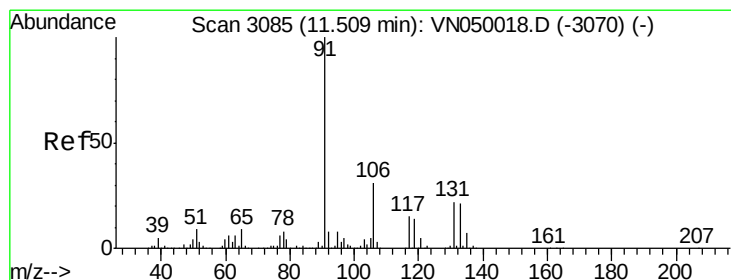
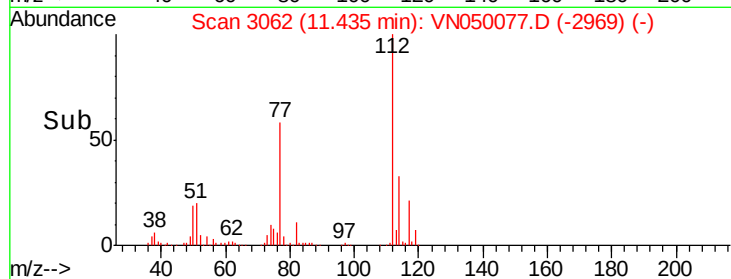
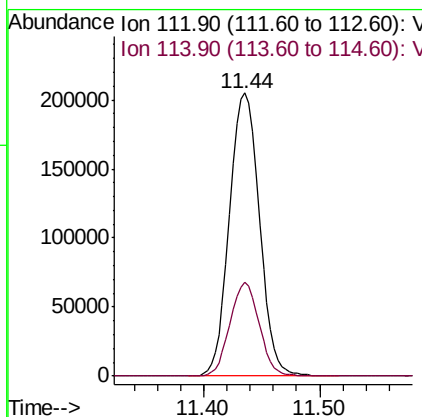
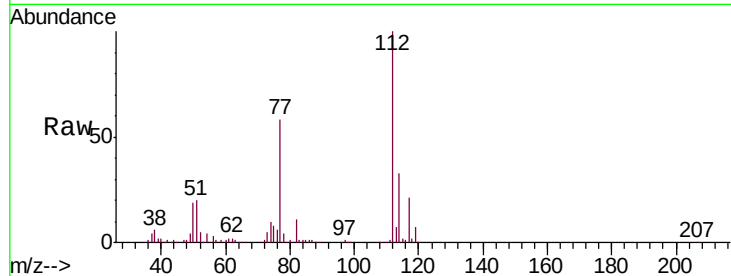
#65
Chlorobenzene
Concen: 18.49 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.6	38.4

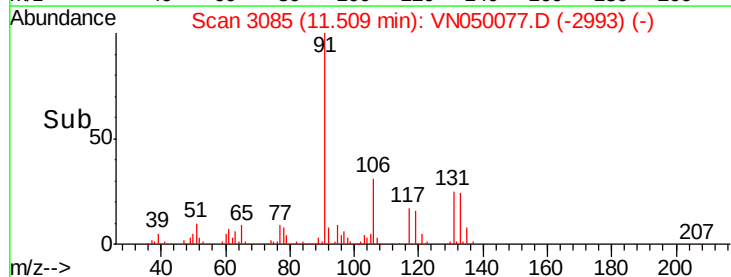
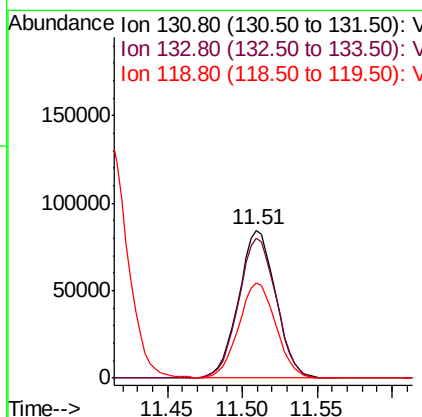
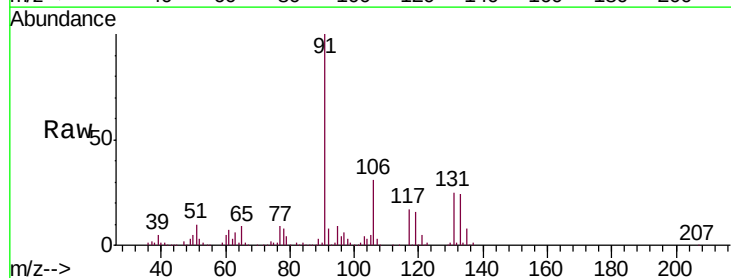
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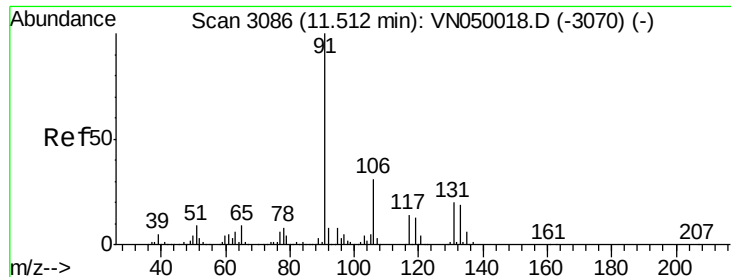
MMDadoda
7/27/2018 12:15:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.06 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.9
119	64.5	32.9	98.7





#67

Ethyl Benzene

Concen: 18.78 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0726WBSD01

Tot Ion: 91 Resp: 599688

Ion Ratio Lower Upper

91 100

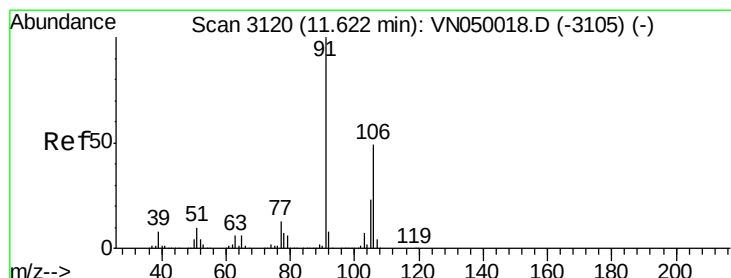
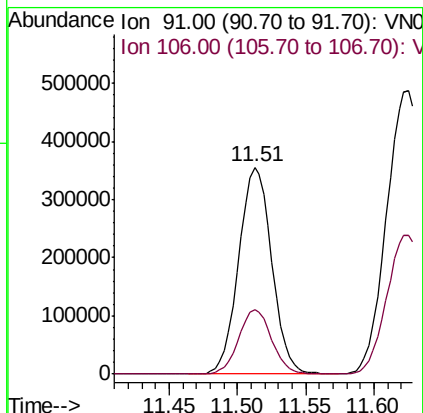
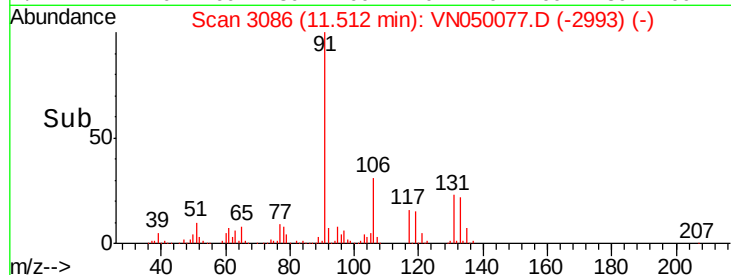
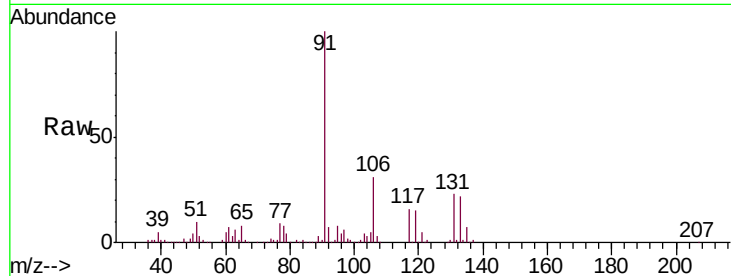
106 31.0 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.39 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050077.D

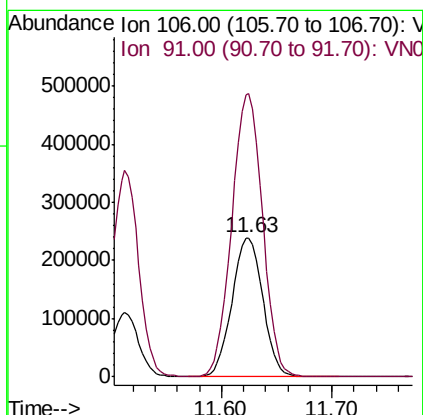
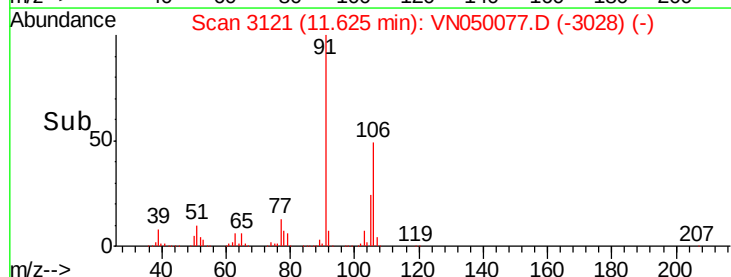
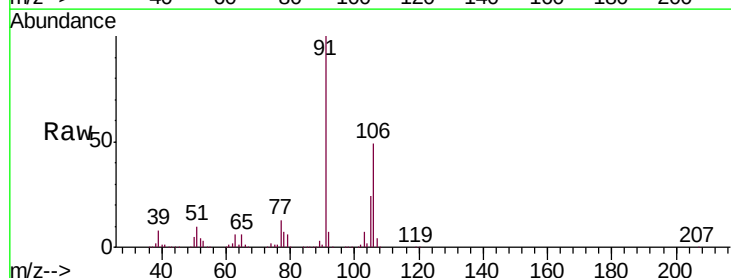
Acq: 26 Jul 2018 13:02

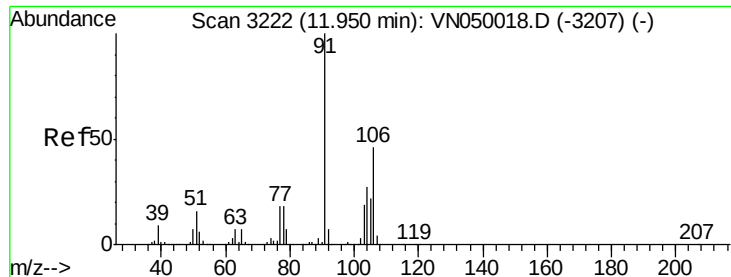
Tgt Ion: 106 Resp: 463611

Ion Ratio Lower Upper

106 100

91 202.9 162.2 243.2





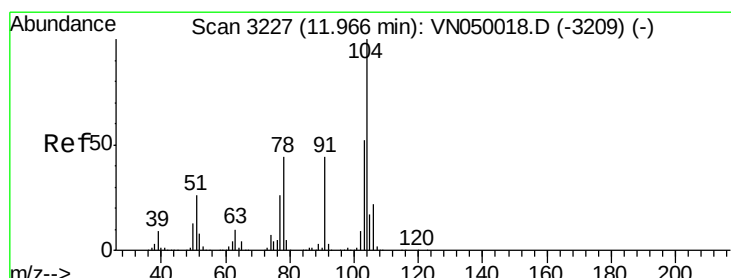
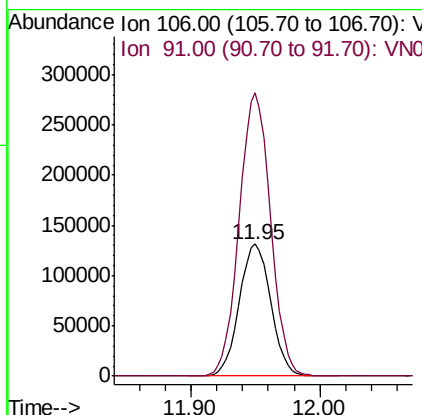
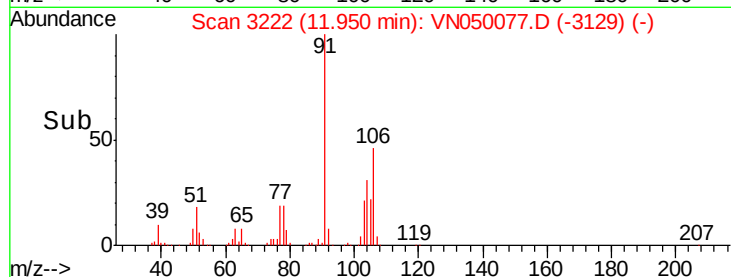
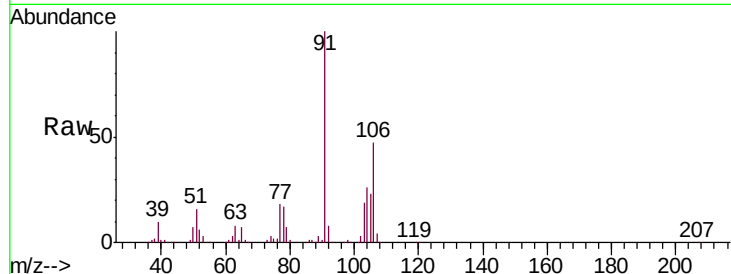
#69
o-Xylene
Concen: 19.46 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.1	107.7	323.1

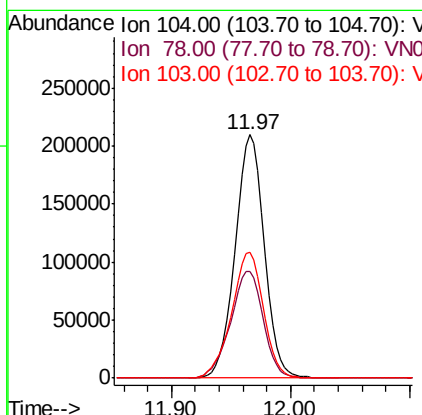
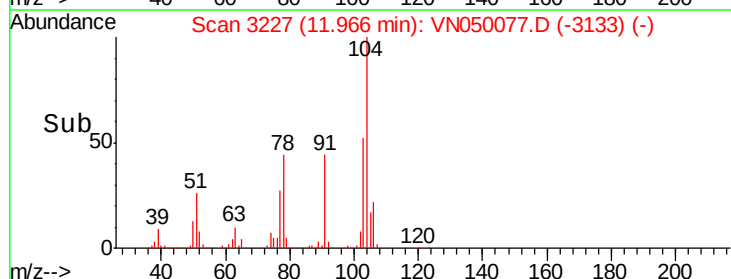
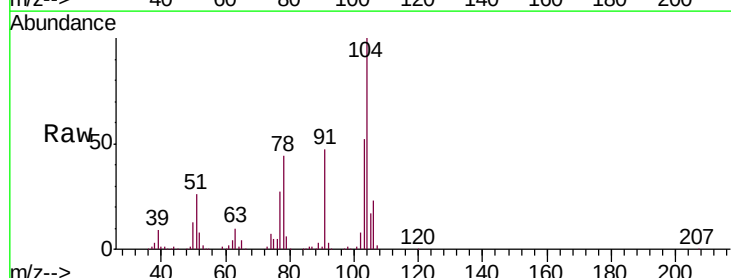
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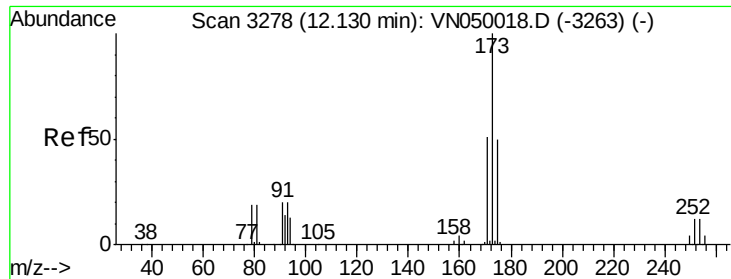
MMDadoda
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#70
Styrene
Concen: 18.01 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	56.6	45.0	67.6





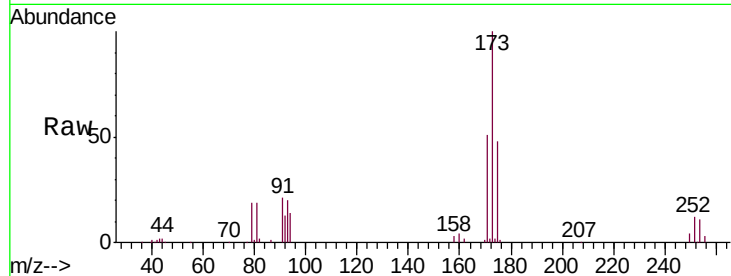
#71
Bromoform
Concen: 19.05 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.2	0.2

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7/27/2018 12:15:34 PM

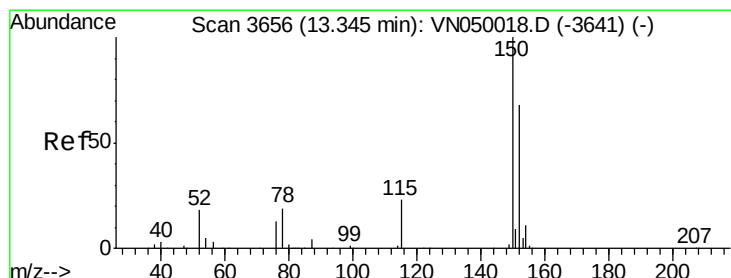
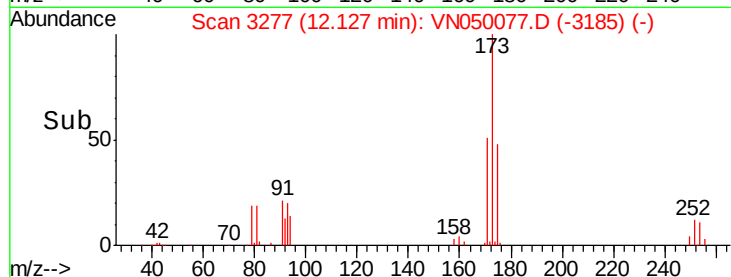
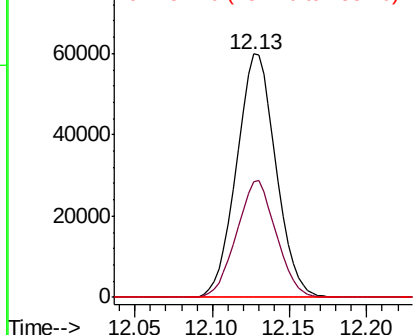


Abundance

Ion 172.70 (172.40 to 173.40): V

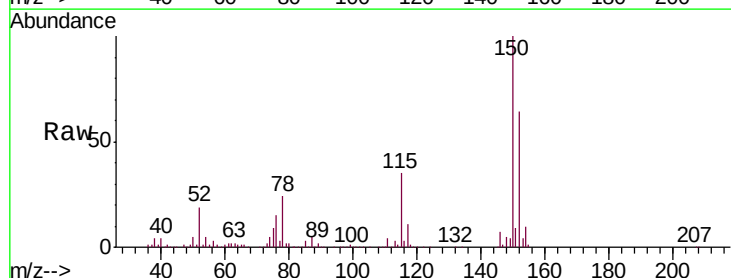
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.8	83.3
150	163.7	0.0	348.6

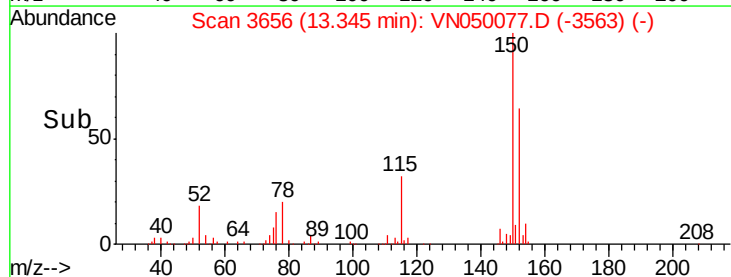
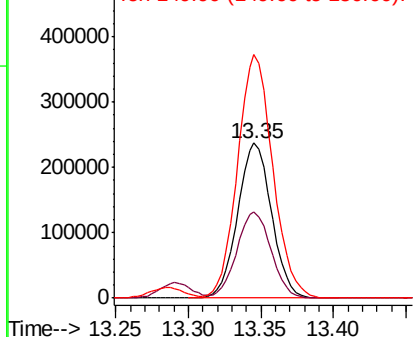


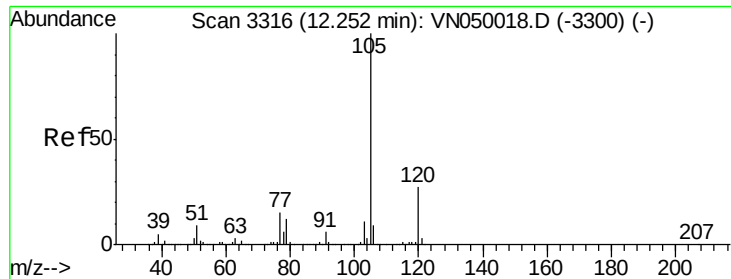
Abundance

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





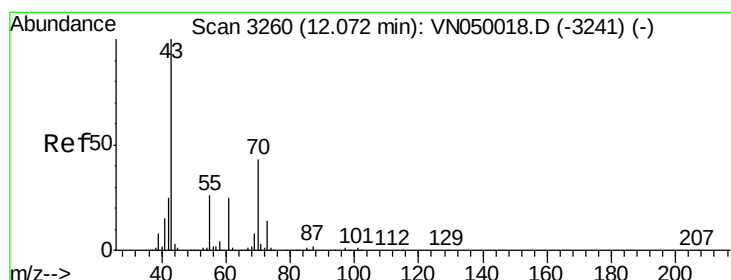
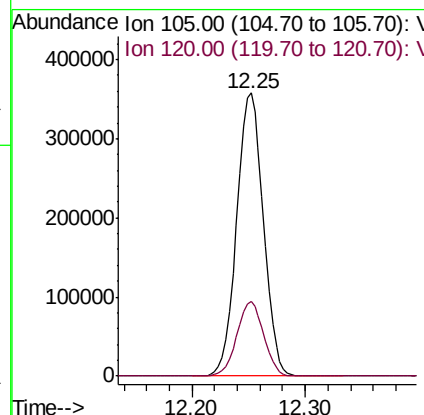
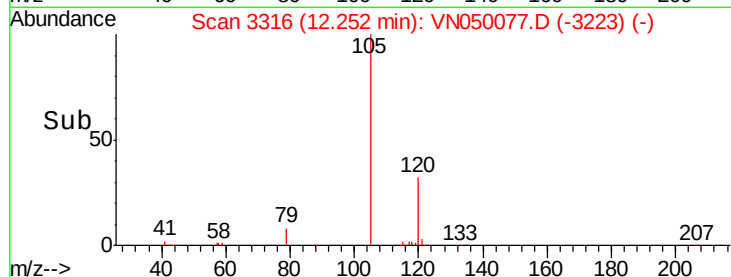
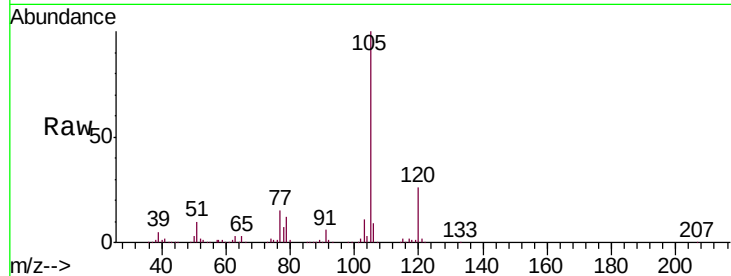
#73
Isopropylbenzene
Concen: 19.68 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.8

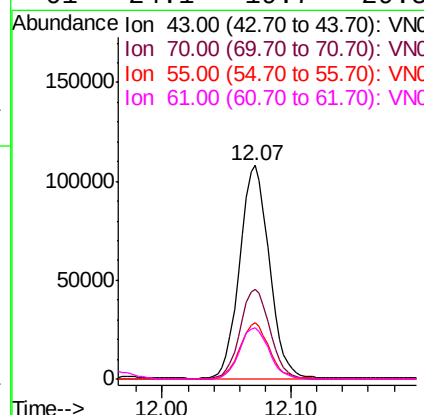
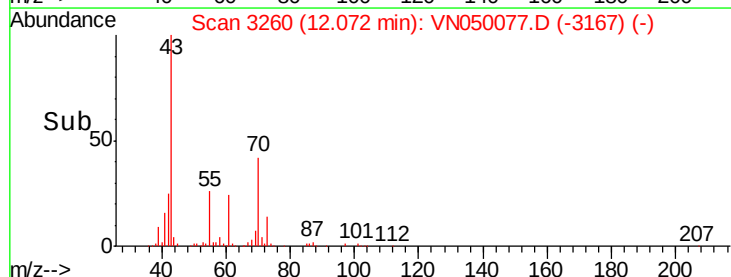
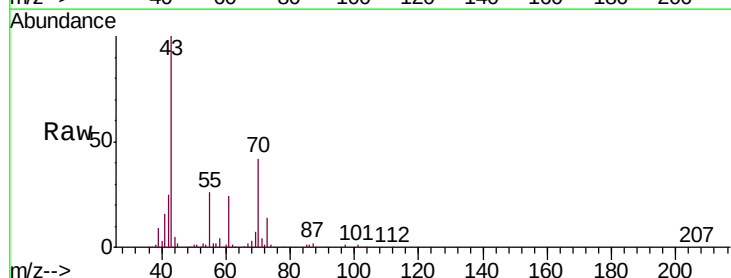
Manual Integrations
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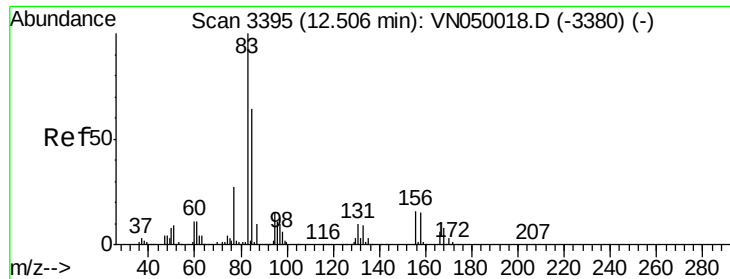
MMDadoda
7/27/2018 12:15:34 PM



#74
N-ethyl acetate
Concen: 18.96 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050077.D
Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.4	51.6
55	26.3	20.8	31.2
61	24.1	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.96 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

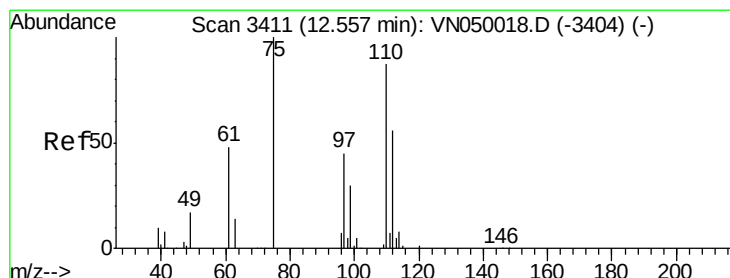
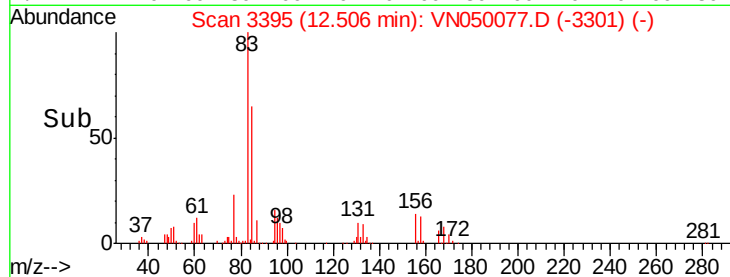
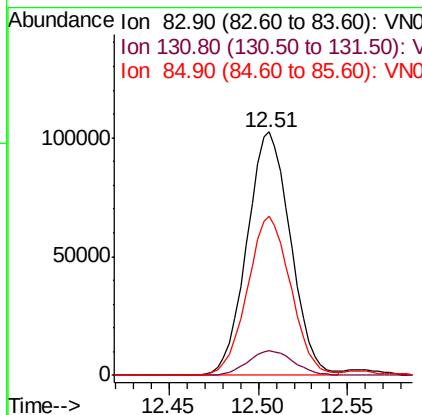
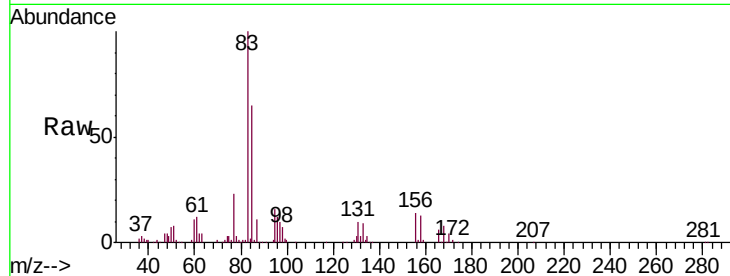
ClientSampled :

VN0726WBSD01

Tot Ion:	83	Resp:	174731
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	65.0	32.3	96.8

Manual Integrations
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7/27/2018 12:15:34 PM



#76

1,2,3-Trichloropropane

Concen: 19.28 ug/l m

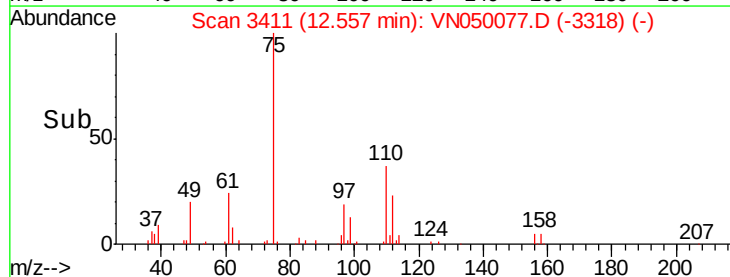
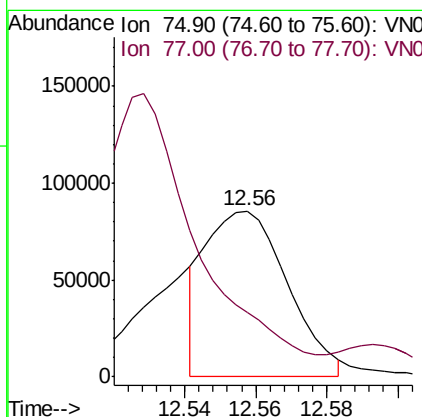
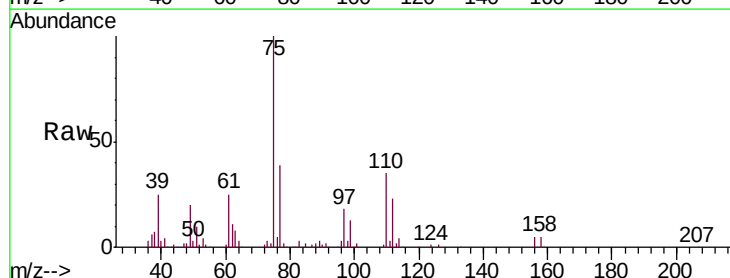
RT: 12.56 min Scan# 3411

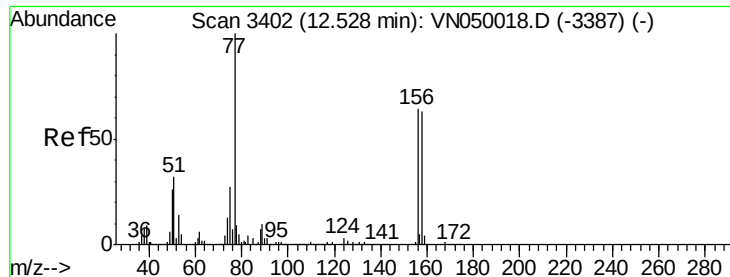
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	75	Resp:	137439
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.07 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

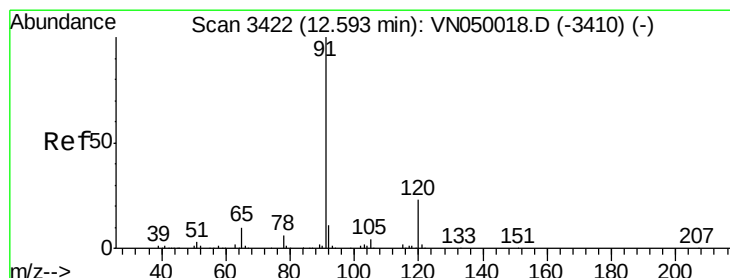
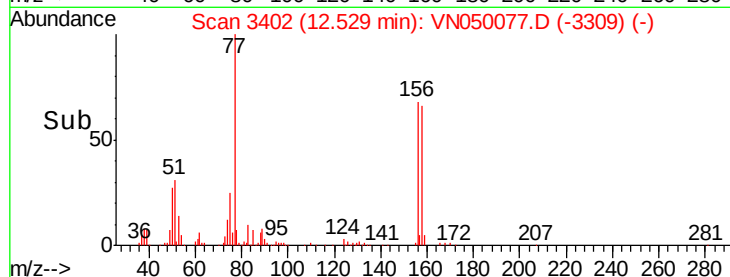
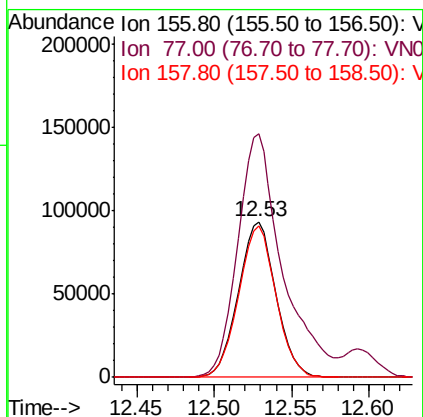
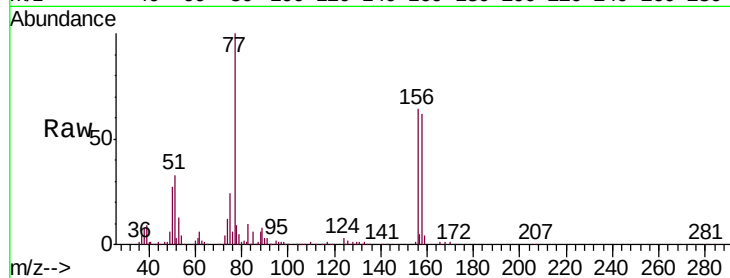
ClientSampleId :

VN0726WBSD01

Tot Ion:	156	Resp:	157240
Ion Ratio	Lower	Upper	
156	100		
77	186.5	91.7	275.1
158	96.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.78 ug/l

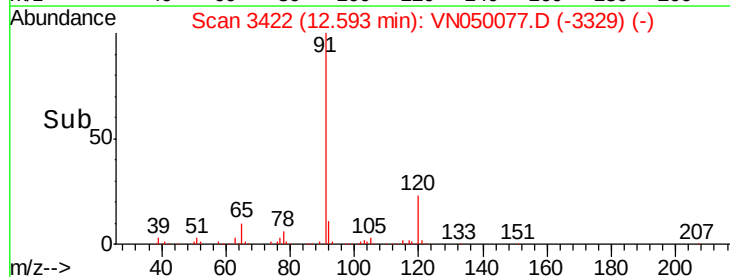
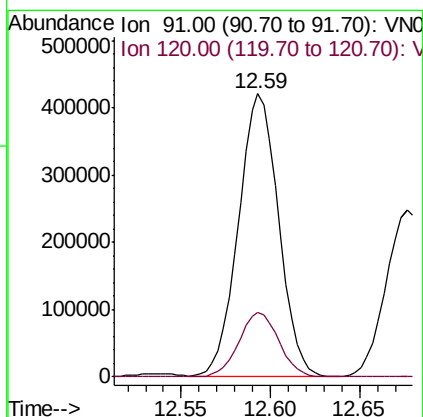
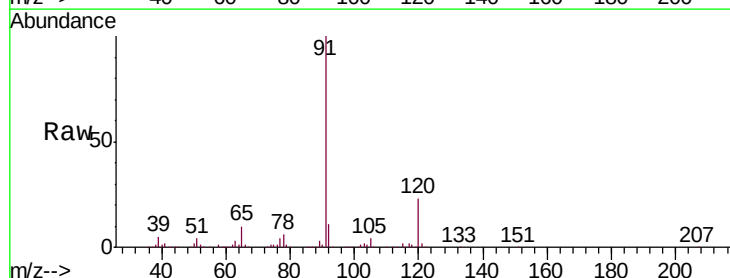
RT: 12.59 min Scan# 3422

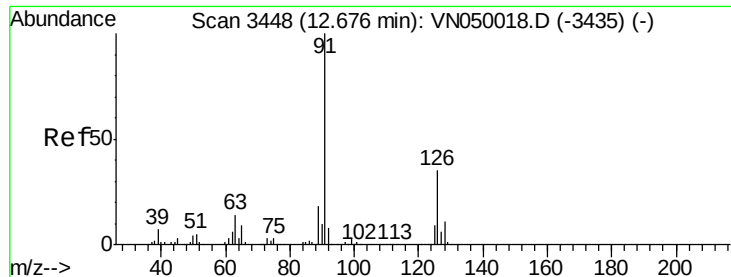
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	91	Resp:	657784
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.6	34.7





#79

2-Chlorotoluene

Concen: 19.85 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 91 Resp: 409100

Ion Ratio Lower Upper

91 100

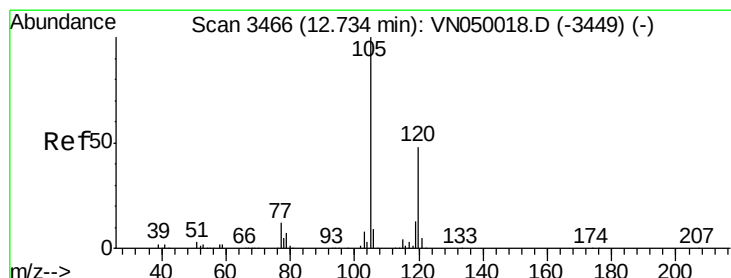
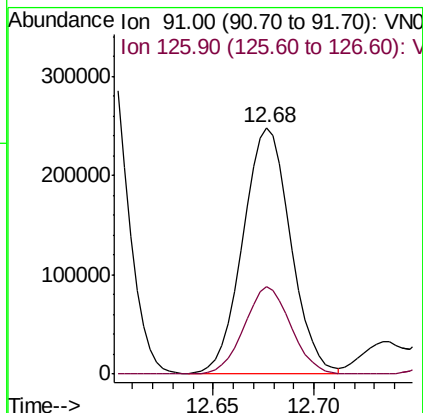
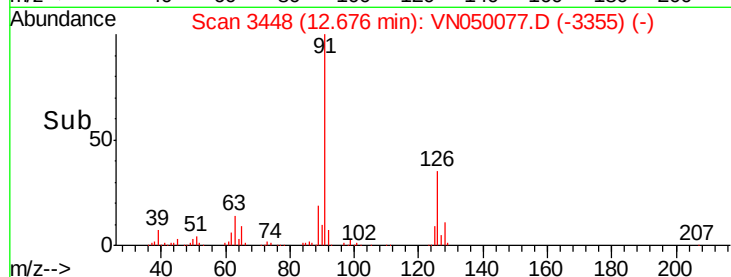
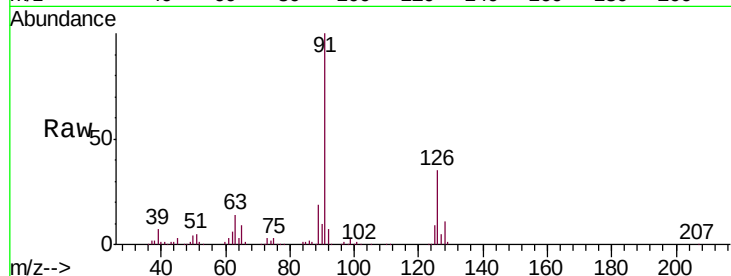
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.83 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050077.D

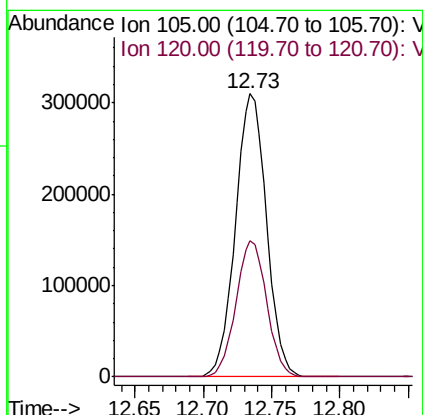
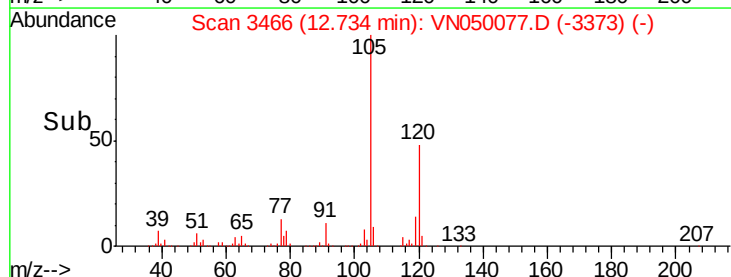
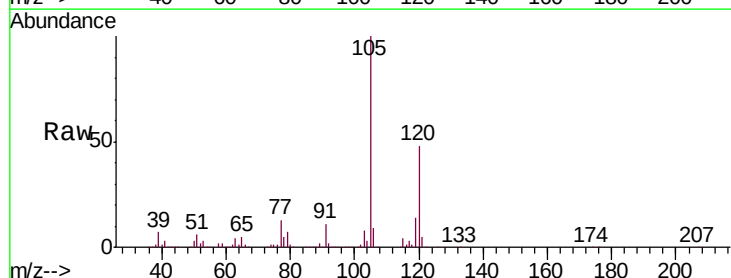
Acq: 26 Jul 2018 13:02

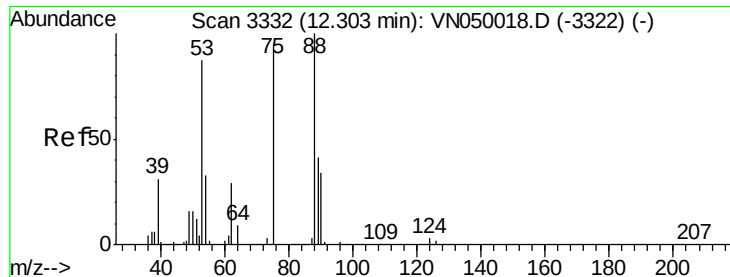
Tgt Ion: 105 Resp: 487368

Ion Ratio Lower Upper

105 100

120 47.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.74 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion: 75 Resp: 44375

Ion Ratio Lower Upper

75 100

53 97.5 73.5 110.3

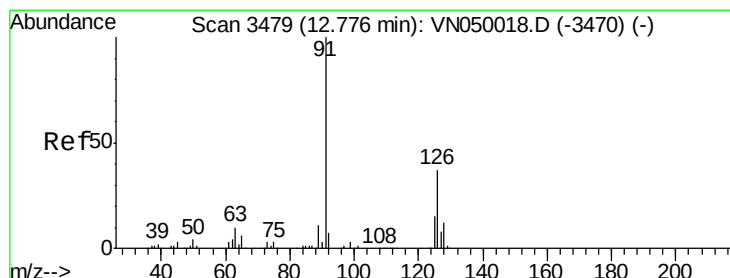
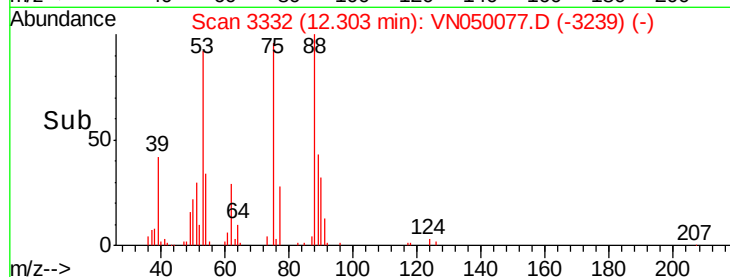
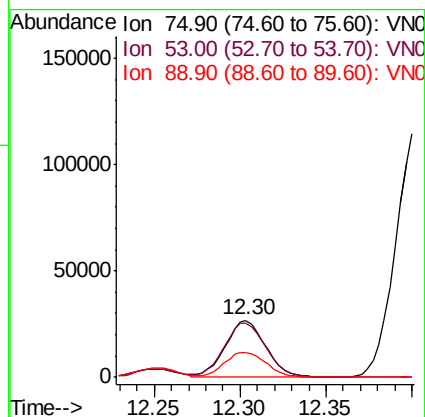
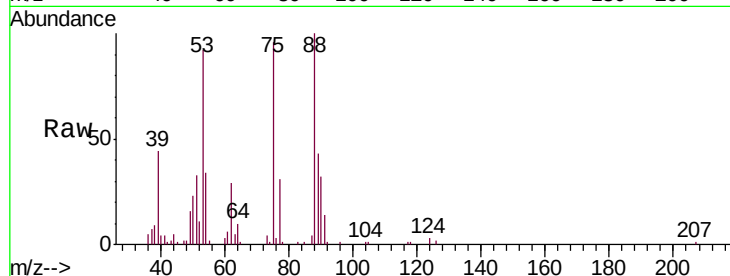
89 45.6 36.0 54.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.77 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050077.D

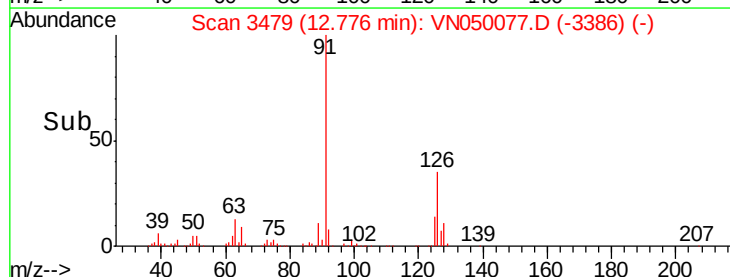
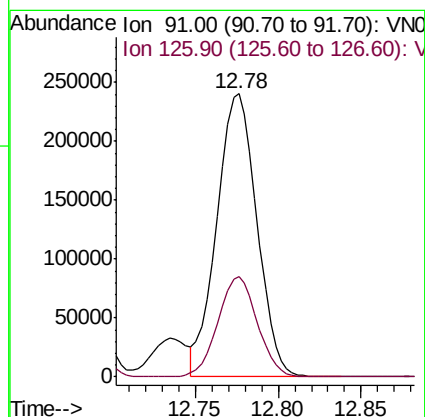
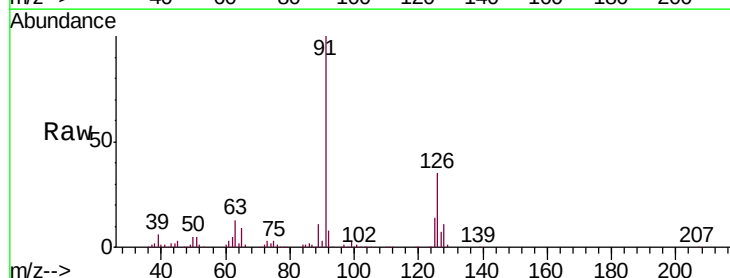
Acq: 26 Jul 2018 13:02

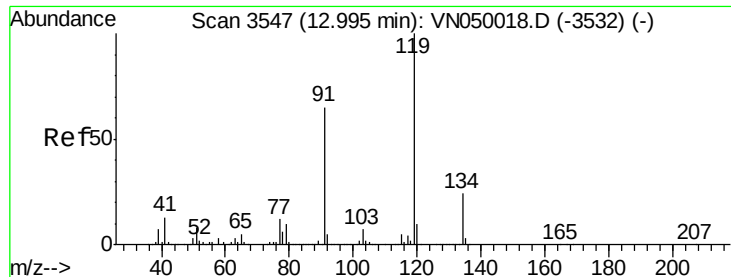
Tgt Ion: 91 Resp: 403421

Ion Ratio Lower Upper

91 100

126 34.8 17.0 51.0





#83

tert-Butylbenzene

Concen: 19.78 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

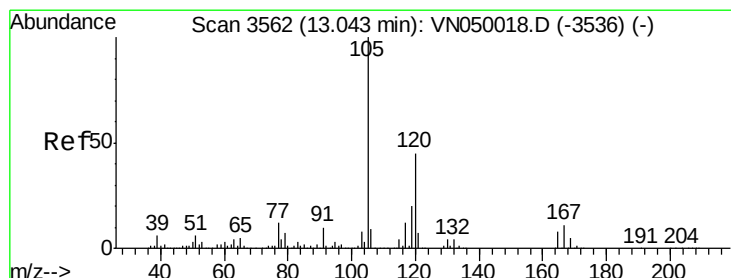
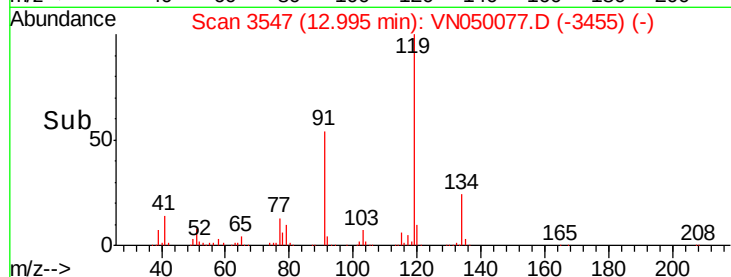
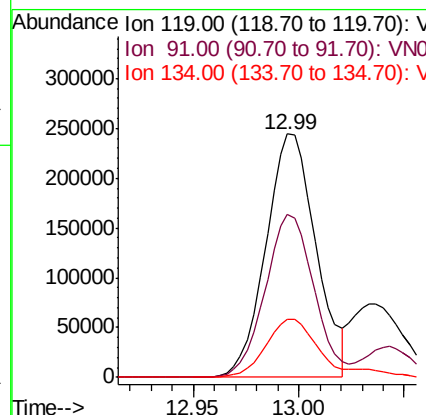
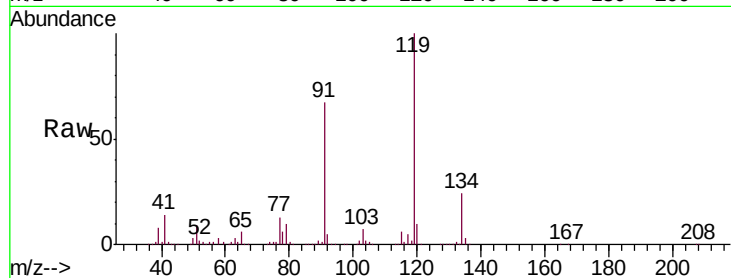
ClientSampleId :

VN0726WBSD01

Tot Ion:	119	Resp:	403959
Ion Ratio	Lower	Upper	
119	100		
91	65.1	32.1	96.3
134	24.2	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.76 ug/l

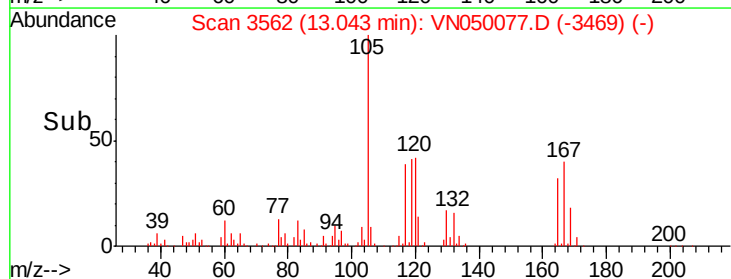
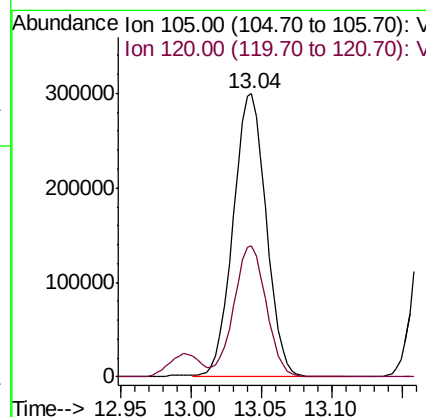
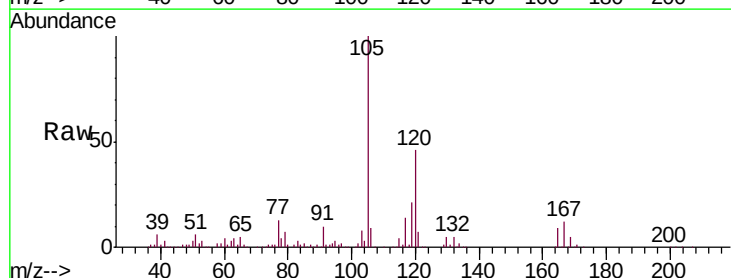
RT: 13.04 min Scan# 3562

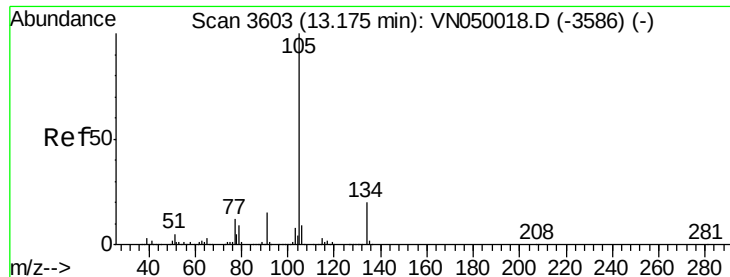
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	105	Resp:	489631
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.9	68.7





#85

sec-Butylbenzene

Concen: 19.80 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBSD01

Tot Ion:105 Resp: 540240

Ion Ratio Lower Upper

105 100

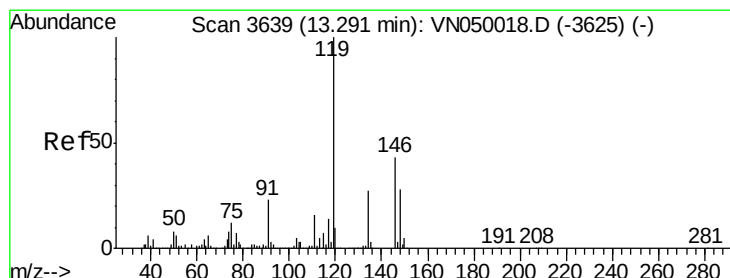
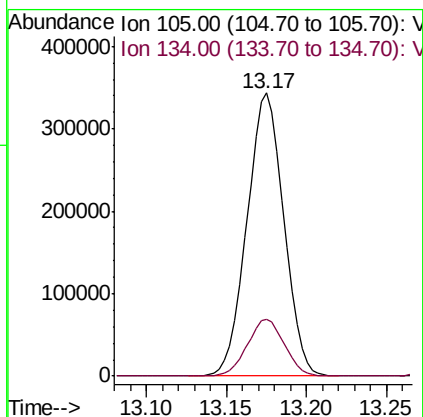
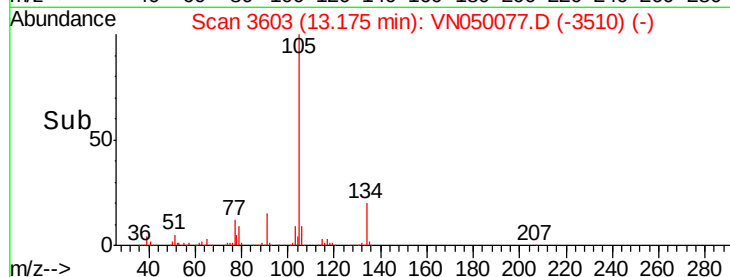
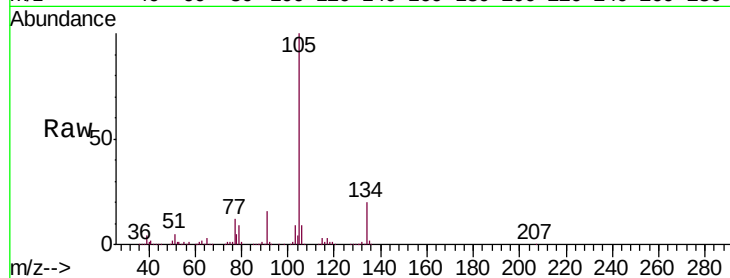
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.85 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

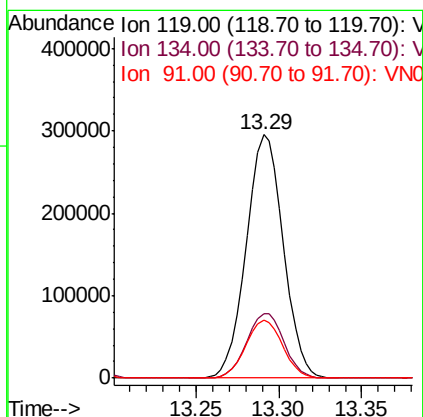
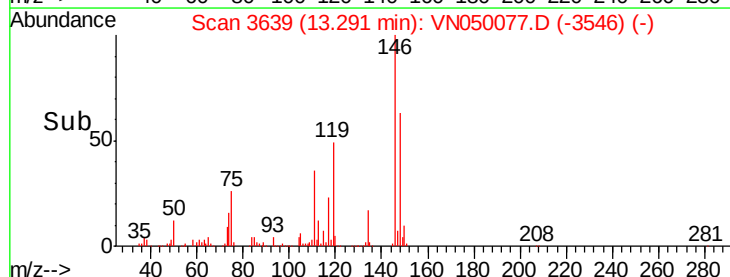
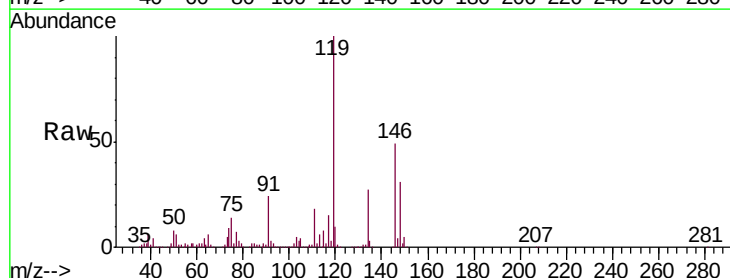
Tgt Ion:119 Resp: 456451

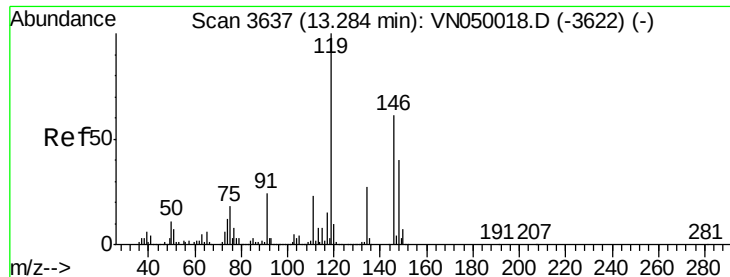
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.8 11.4 34.2





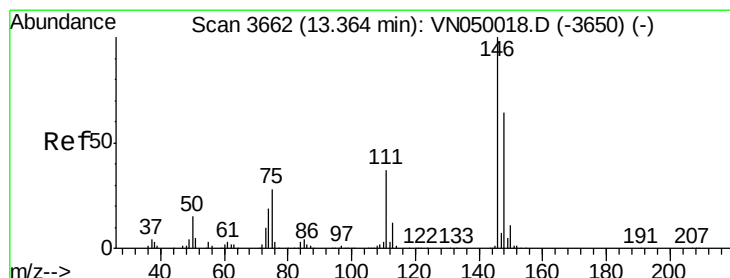
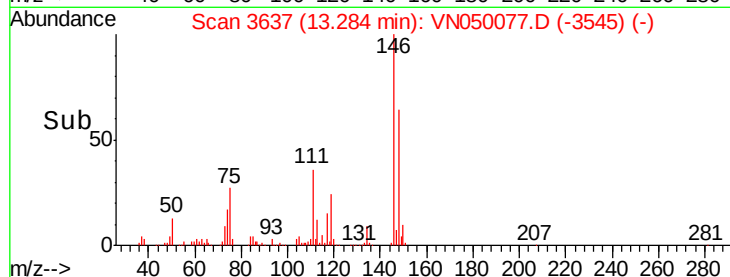
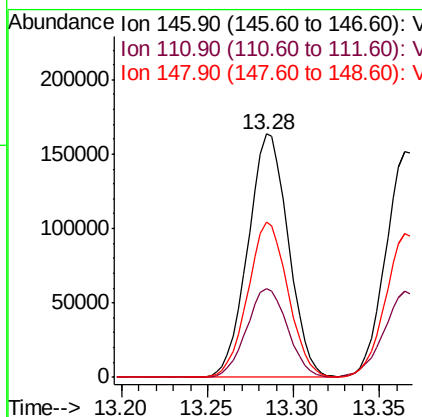
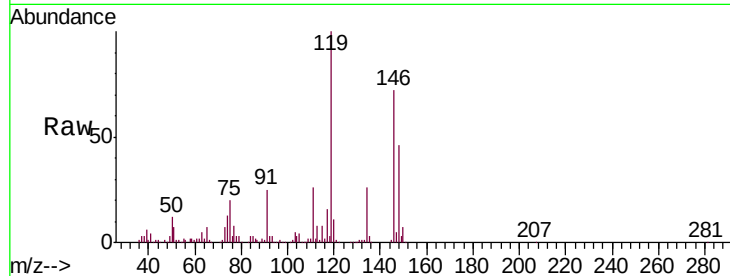
#87
 1,3-Dichlorobenzene
 Concen: 19.09 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	63.5	31.9	95.9

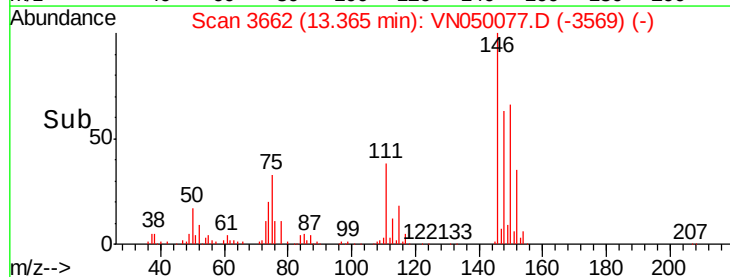
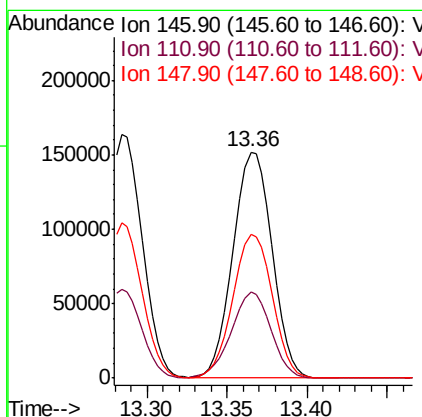
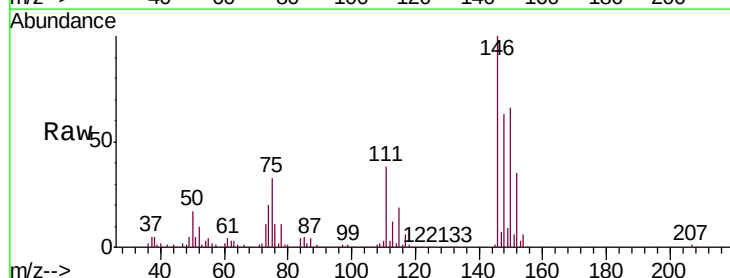
Manual Integrations
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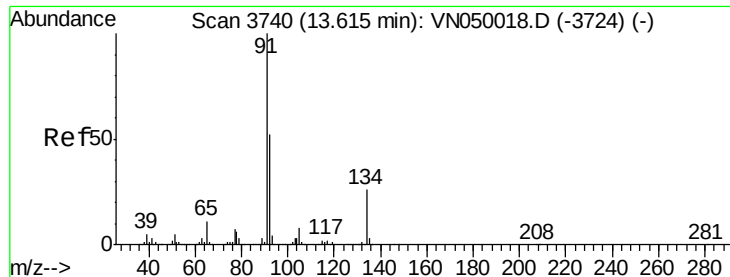
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.3	54.9
148	64.0	31.9	95.9





#89

n-Butylbenzene

Concen: 18.17 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

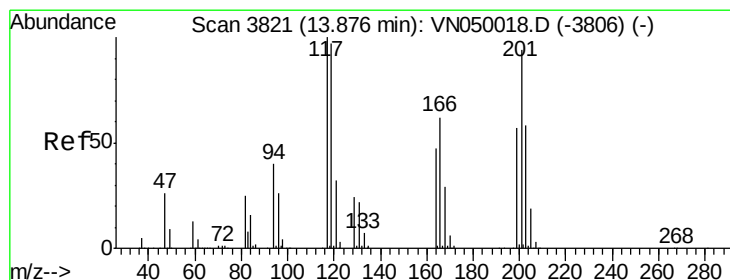
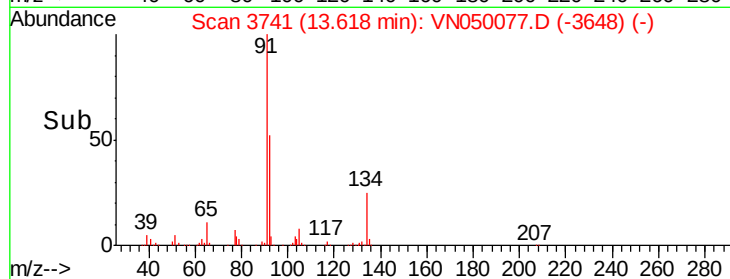
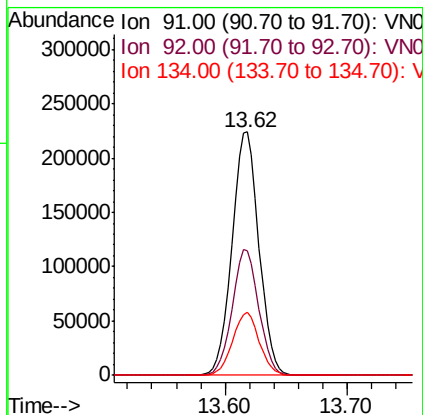
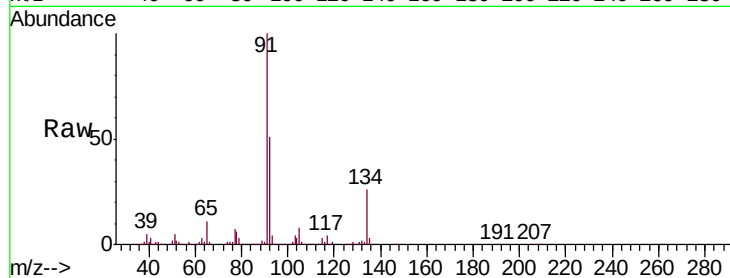
ClientSampleId :

VN0726WBSD01

Tot Ion:	91	Resp:	343553
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.4
134	25.7	12.8	38.4

Manual Integrations
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#90

Hexachloroethane

Concen: 18.10 ug/l

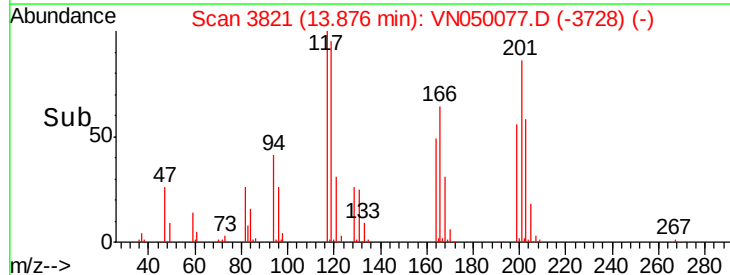
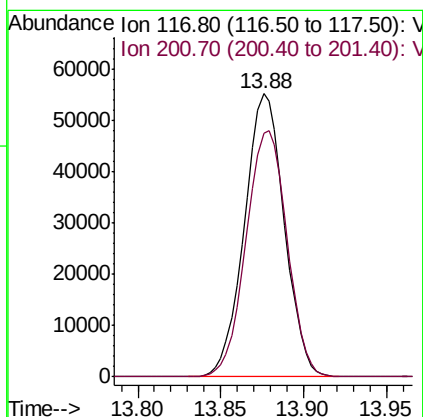
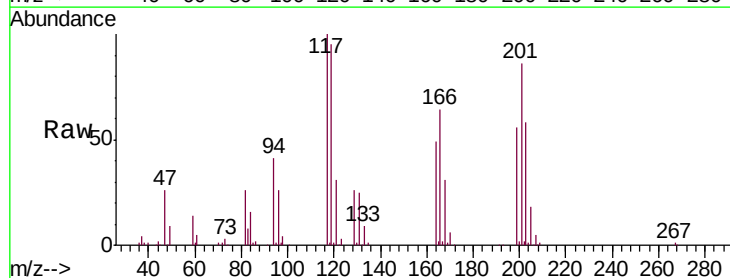
RT: 13.88 min Scan# 3821

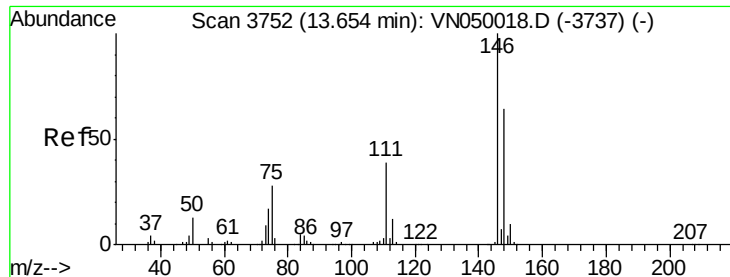
Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	117	Resp:	92413
Ion	Ratio	Lower	Upper
117	100		
201	89.4	45.6	136.8





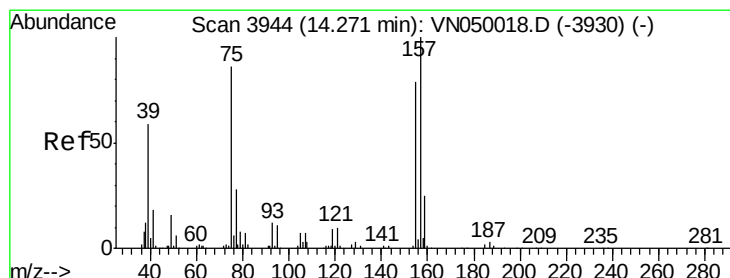
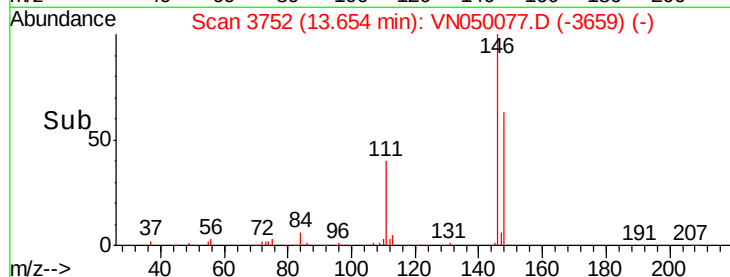
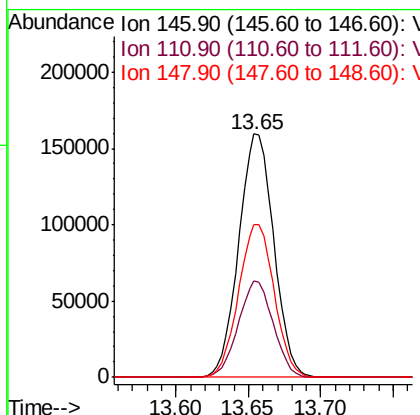
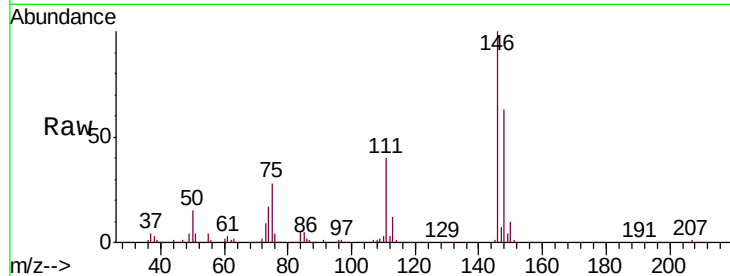
#91
 1,2-Dichlorobenzene
 Concen: 19.18 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	63.9	32.1	96.3

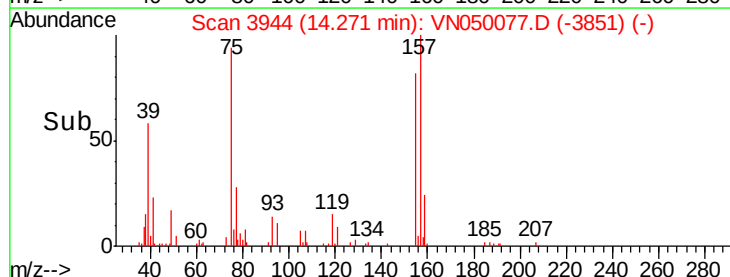
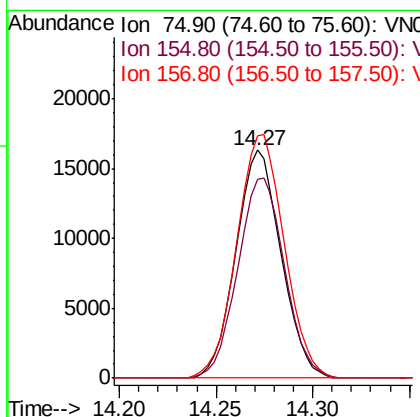
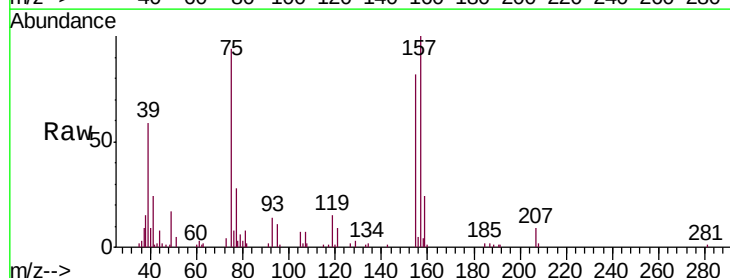
Manual Integrations
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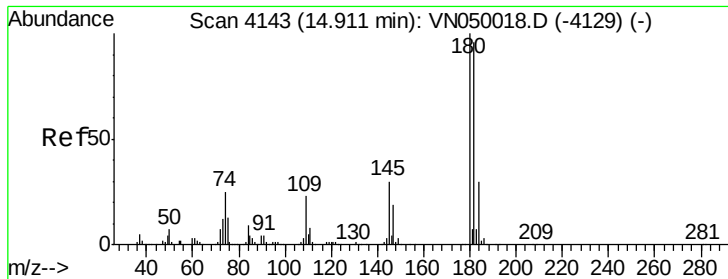
MMDadoda
 7/27/2018 12:15:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.52 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	44.8	134.4
157	112.1	57.2	171.6





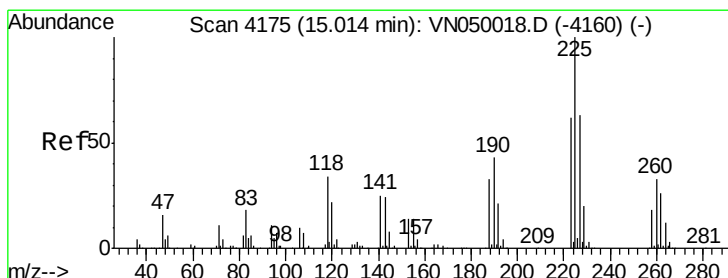
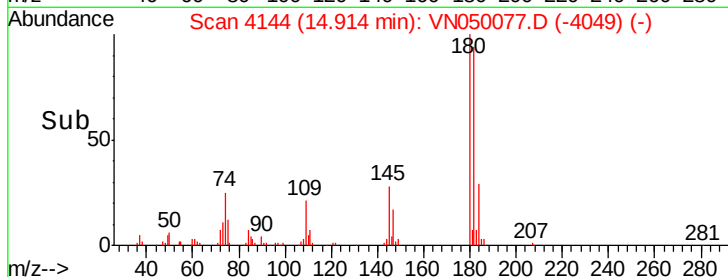
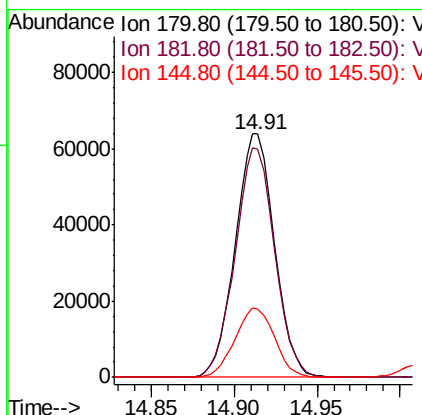
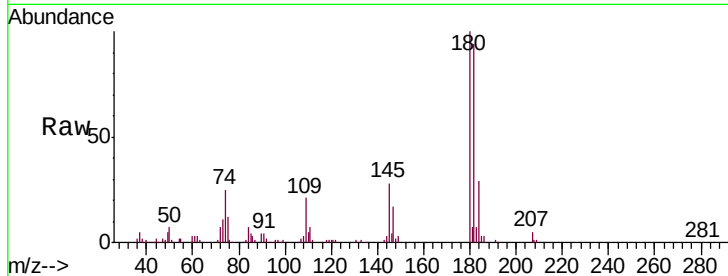
#93
 1,2,4-Trichlorobenzene
 Concen: 16.36 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.7	140.1
145	28.9	13.8	41.4

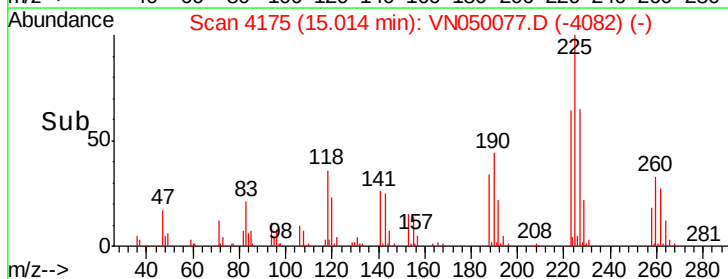
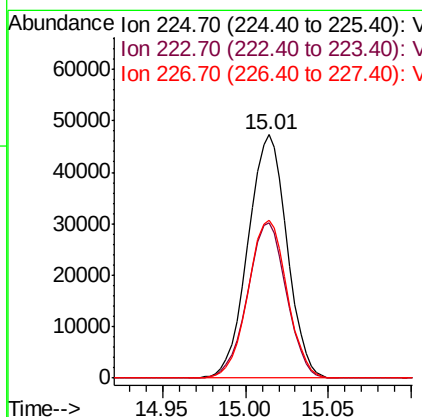
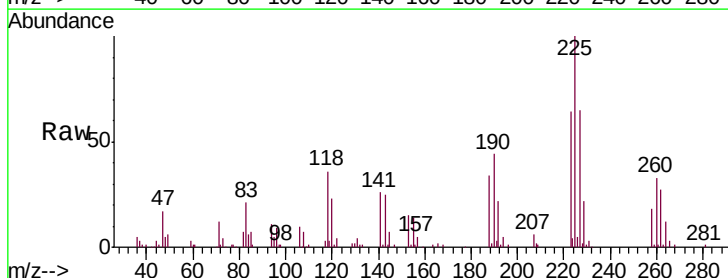
Manual Integrations
 APPROVED

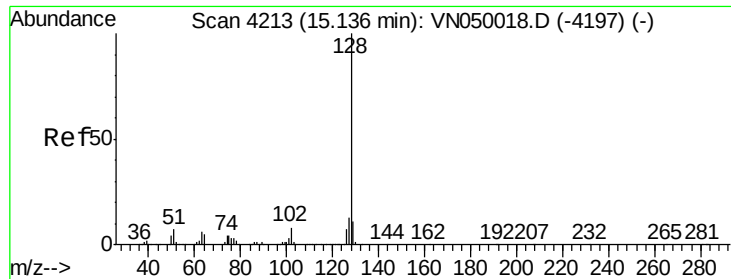
MMDadoda
 7/27/2018 12:15:34 PM



#94
 Hexachlorobutadiene
 Concen: 18.14 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050077.D
 Acq: 26 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.2
227	64.8	32.1	96.5





#95

Naphthalene

Concen: 15.99 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Instrument :

MSVOA_N

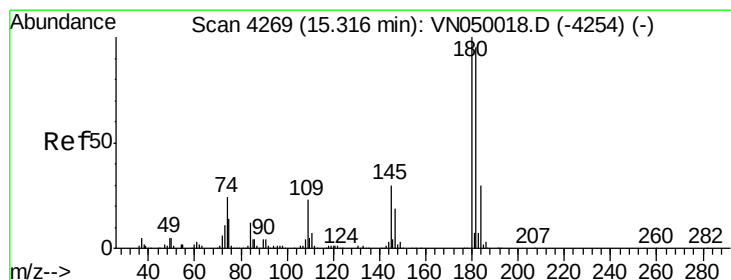
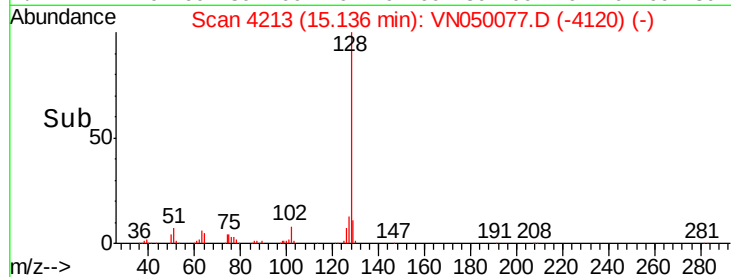
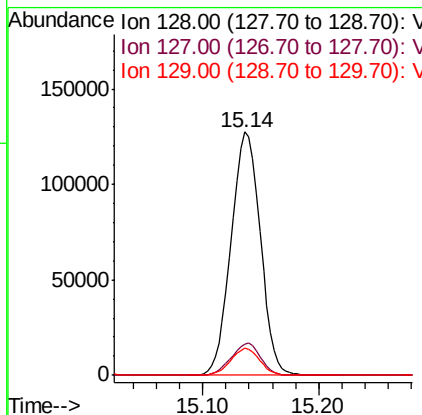
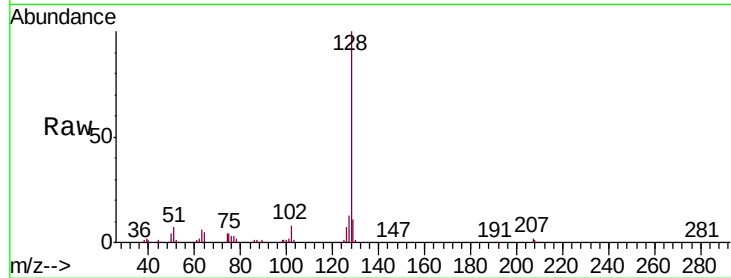
ClientSampleId :

VN0726WBSD01

Tot Ion:	128	Resp:	222322
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/27/2018 12:15:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.22 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050077.D

Acq: 26 Jul 2018 13:02

Tgt Ion:	180	Resp:	113395
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.1	144.4
145	29.7	15.3	45.9

