

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051115.D
 Acq On : 11 Sep 2018 10:16
 Operator : MD\SY
 Sample : VN0911WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 10:06:45 AM

Quant Time: Sep 12 01:34:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	925960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	365419	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.59	113	353786	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	1338767	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	431391	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114271	18.66	ug/l	100
3) Chloromethane	2.06	50	156751	19.49	ug/l	99
4) Vinyl Chloride	2.18	62	158570	18.86	ug/l	99
5) Bromomethane	2.56	94	94191	19.25	ug/l	93
6) Chloroethane	2.70	64	96448	18.59	ug/l	98
7) Trichlorofluoromethane	3.01	101	213163	19.14	ug/l	99
8) Diethyl Ether	3.41	74	80499	19.65	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136285	18.98	ug/l	99
10) Methyl Iodide	3.95	142	109120	20.05	ug/l	99
11) Tert butyl alcohol	4.79	59	51304	95.05	ug/l	99
12) 1,1-Dichloroethene	3.73	96	128944	19.04	ug/l	98
13) Acrolein	3.61	56	65872	114.55	ug/l	100
14) Allyl chloride	4.32	41	194751	18.87	ug/l	99
15) Acrylonitrile	4.99	53	232253	97.10	ug/l	99
16) Acetone	3.82	43	176881	97.67	ug/l	99
17) Carbon Disulfide	4.05	76	370766	18.64	ug/l	99
18) Methyl Acetate	4.33	43	108558	19.18	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	357514	19.97	ug/l	100
20) Methylene Chloride	4.55	84	147722	18.92	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	135729	18.47	ug/l	99
22) Diisopropyl ether	5.96	45	416746	20.34	ug/l	99
23) Vinyl Acetate	5.90	43	1377138	99.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	253479	19.50	ug/l	99
25) 2-Butanone	6.84	43	260272	93.67	ug/l	100
26) 2,2-Dichloropropane	6.82	77	198638	18.67	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	153527	19.05	ug/l	100
28) Bromochloromethane	7.20	49	116288	20.10	ug/l	99
29) Tetrahydrofuran	7.22	42	175575	101.19	ug/l	99
30) Chloroform	7.37	83	252210	19.51	ug/l	99
31) Cyclohexane	7.65	56	226381	19.39	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	215984	19.60	ug/l	99
36) 1,1-Dichloropropene	7.79	75	190534	18.74	ug/l	100
37) Ethyl Acetate	6.93	43	121332	20.61	ug/l	100
38) Carbon Tetrachloride	7.78	117	191004	19.09	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203933	18.18	ug/l	98
40) Benzene	8.04	78	592087	19.33	ug/l	99
41) Methacrylonitrile	7.18	41	56281m	18.53	ug/l	
42) 1,2-Dichloroethane	8.13	62	174574	19.55	ug/l	100
43) Isopropyl Acetate	8.17	43	209881	20.20	ug/l #	89
44) Trichloroethene	8.84	130	153751	18.35	ug/l	98
45) 1,2-Dichloropropane	9.12	63	153995	19.45	ug/l	100
46) Dibromomethane	9.21	93	90110	18.66	ug/l	100
47) Bromodichloromethane	9.40	83	187779	19.12	ug/l	96
48) Methyl methacrylate	9.20	41	99505	19.65	ug/l	98
49) 1,4-Dioxane	9.20	88	30447	383.51	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	580033	100.96	ug/l	99
52) Toluene	10.16	92	363573	19.46	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	183466	18.67	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221402	19.21	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	131728	19.41	ug/l	98
56) Ethyl methacrylate	10.43	69	161764	19.35	ug/l	98
57) 1,3-Dichloropropane	10.71	76	220256	19.58	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	323045	94.48	ug/l	99
59) 2-Hexanone	10.75	43	369584	94.86	ug/l	98
60) Dibromochloromethane	10.90	129	146830	19.20	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127894	19.28	ug/l	99
64) Tetrachloroethene	10.63	164	142990	19.00	ug/l	98
65) Chlorobenzene	11.43	112	395640	19.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146131	19.52	ug/l	99
67) Ethyl Benzene	11.51	91	642656	19.09	ug/l	100
68) m/p-Xylenes	11.62	106	507124	39.20	ug/l	100
69) o-Xylene	11.95	106	244872	19.55	ug/l	99
70) Styrene	11.96	104	388258	19.98	ug/l	100
71) Bromoform	12.13	173	102365	19.42	ug/l #	99
73) Isopropylbenzene	12.25	105	644697	19.74	ug/l	100
74) N-amyl acetate	12.07	43	154400	18.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	165257	21.14	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140750m	22.49	ug/l	
77) Bromobenzene	12.53	156	167161	19.06	ug/l	99
78) n-propylbenzene	12.59	91	697140	19.42	ug/l	100
79) 2-Chlorotoluene	12.67	91	435625	19.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	525580	19.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38651	18.85	ug/l	96
82) 4-Chlorotoluene	12.77	91	423641	19.02	ug/l	100
83) tert-Butylbenzene	12.99	119	445054	19.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	525625	20.25	ug/l	100
85) sec-Butylbenzene	13.17	105	579865	19.40	ug/l	99
86) p-Isopropyltoluene	13.29	119	496401	19.58	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274813	18.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262161	19.19	ug/l	98
89) n-Butylbenzene	13.62	91	355665	18.03	ug/l	98
90) Hexachloroethane	13.87	117	92291	19.62	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	273112	18.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22573	20.63	ug/l	96

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Instrument :
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ClientSampleId :
VN0911WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95690	16.55	ug/l	100
94) Hexachlorobutadiene	15.01	225	85841	19.23	ug/l	99
95) Naphthalene	15.13	128	189655	16.91	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	101238	17.18	ug/l	100

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

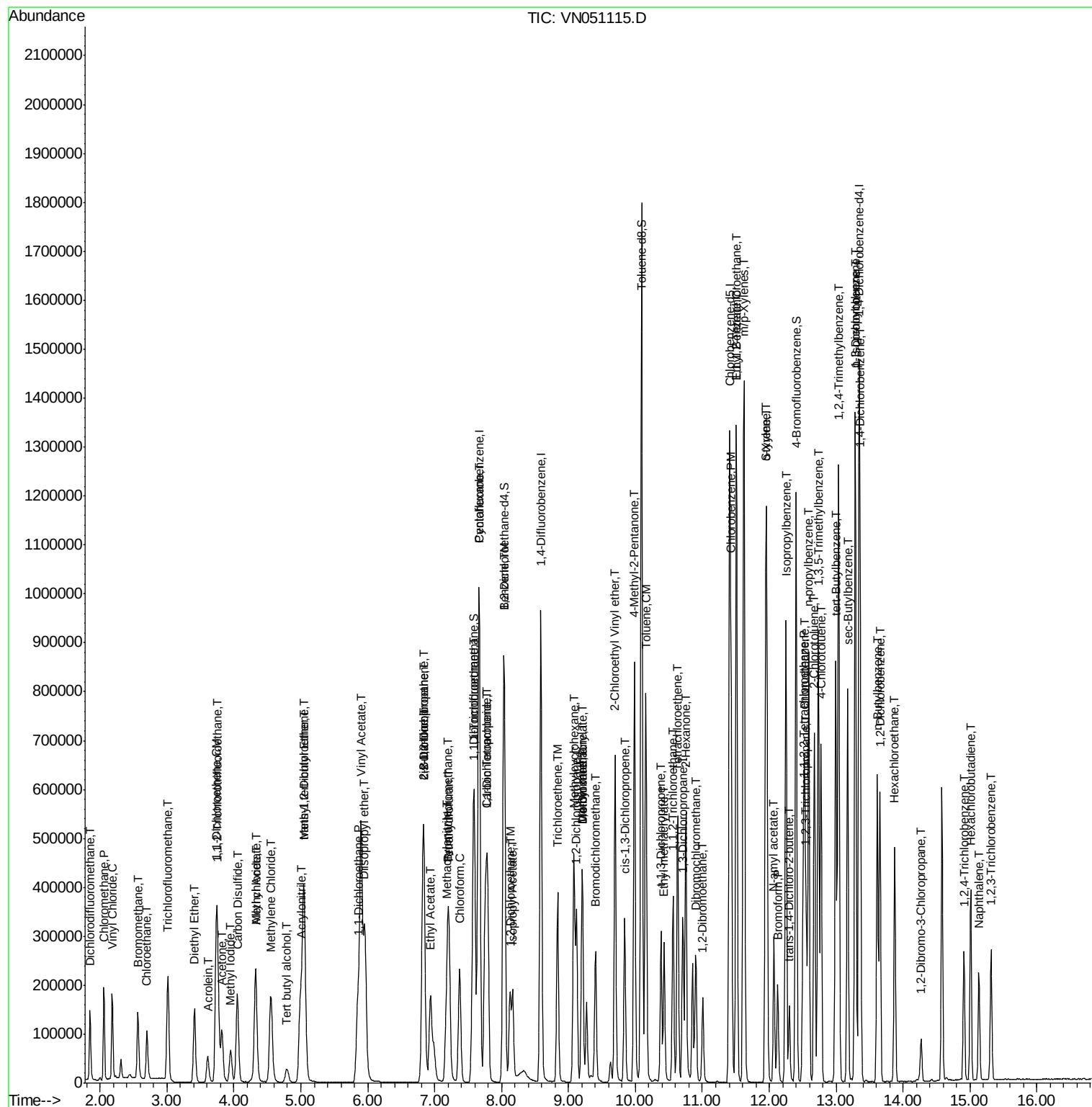
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051115.D
 Acq On : 11 Sep 2018 10:16
 Operator : MD\SY
 Sample : VN0911WBSD01
 Misc : 5.00mL/MSVOA N/WATER
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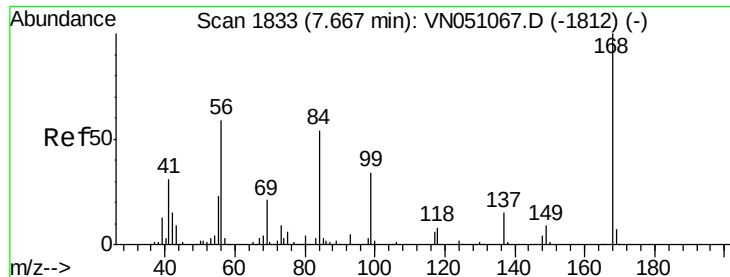
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0911WBSD01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion:168 Resp: 635031

Ion Ratio Lower Upper

168 100

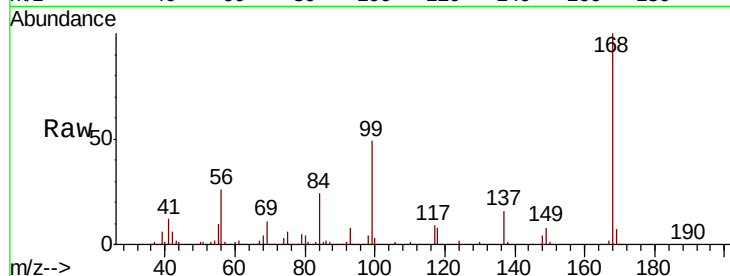
99 48.4 38.3 57.5

Manual Integrations

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9/12/2018 10:06:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

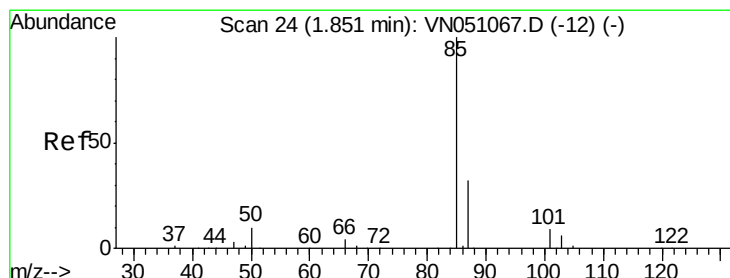
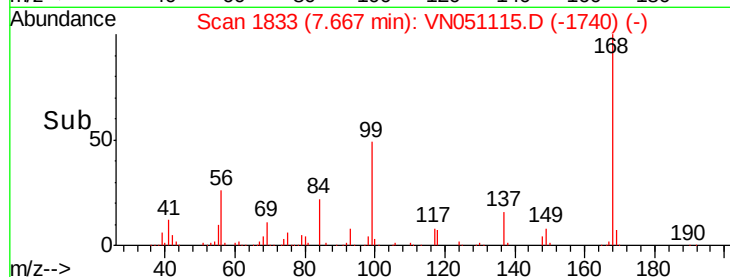
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.66 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051115.D

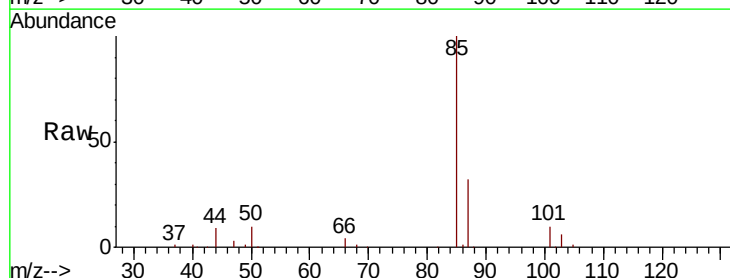
Acq: 11 Sep 2018 10:16

Tgt Ion: 85 Resp: 114271

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

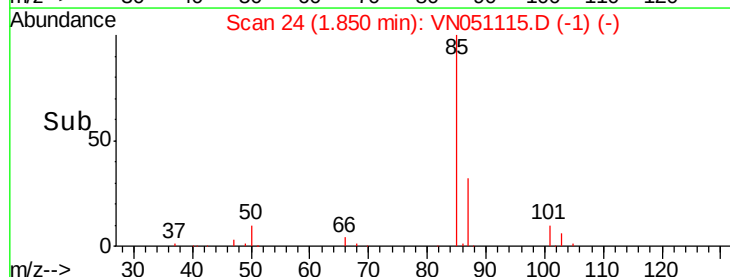
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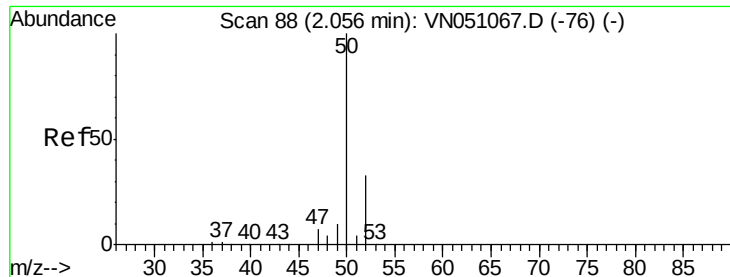
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.49 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

Tot Ion: 50 Resp: 156751

Ion Ratio Lower Upper

50 100

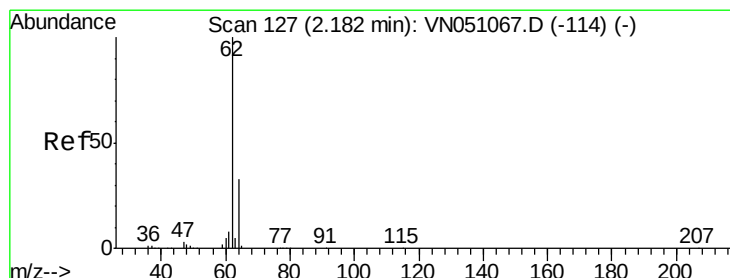
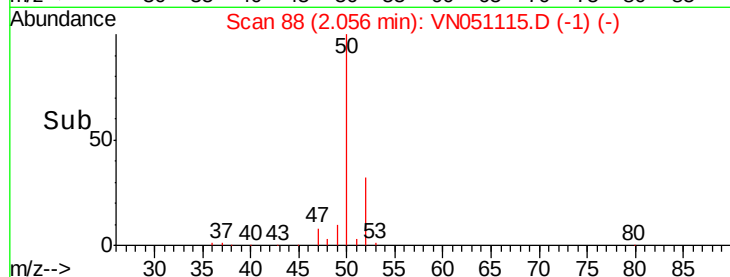
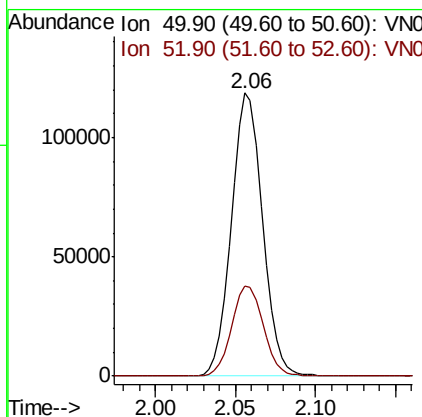
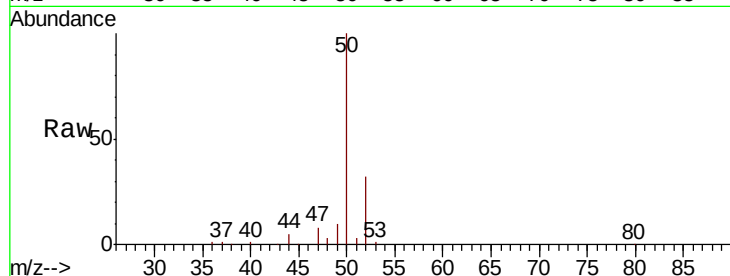
52 32.1 26.0 39.0

Manual Integrations

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9/12/2018 10:06:45 AM



#4

Vinyl Chloride

Concen: 18.86 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051115.D

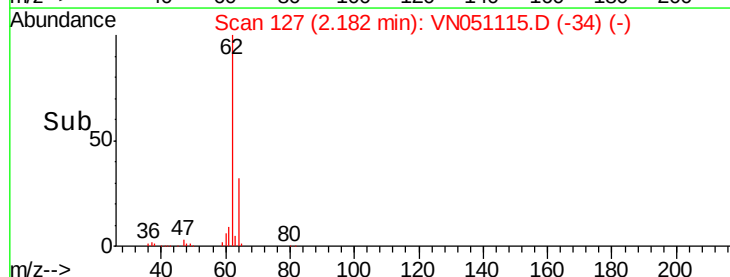
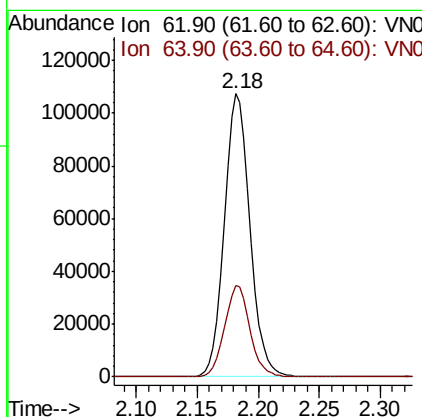
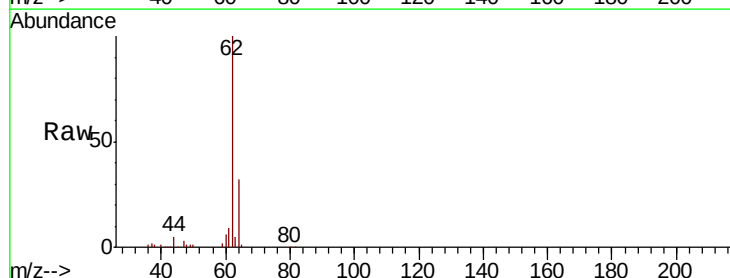
Acq: 11 Sep 2018 10:16

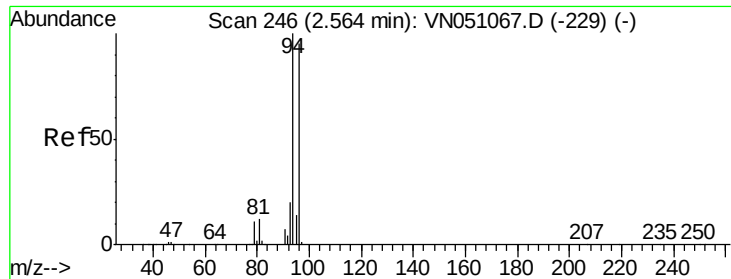
Tgt Ion: 62 Resp: 158570

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 19.25 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion: 94 Resp: 94191

Ion Ratio Lower Upper

94 100

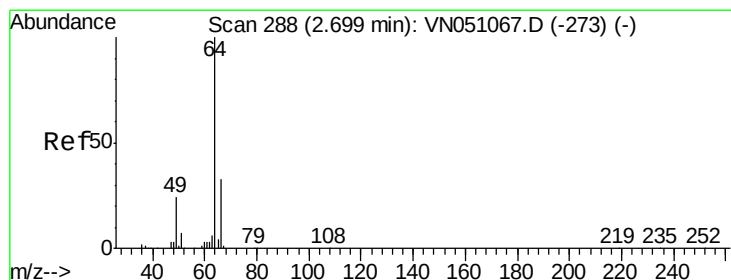
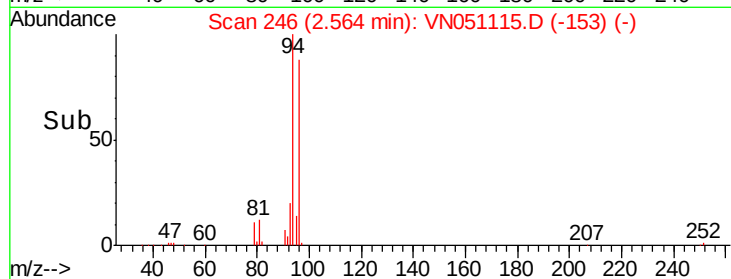
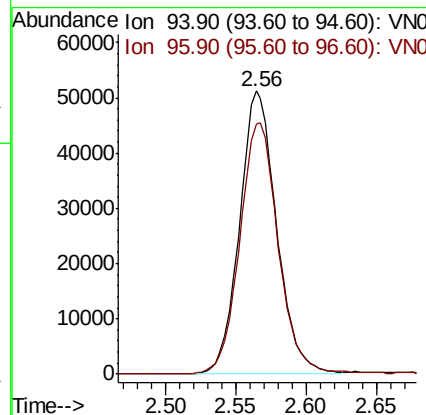
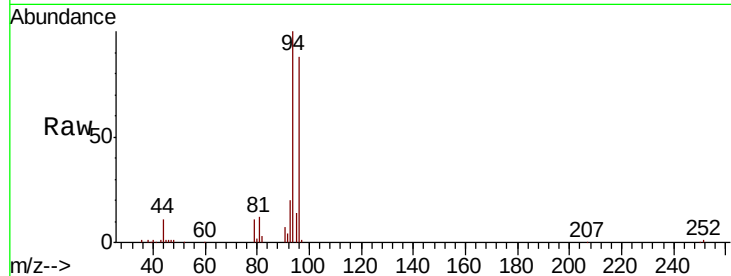
96 88.3 75.9 113.9

Manual Integrations

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9/12/2018 10:06:45 AM



#6

Chloroethane

Concen: 18.59 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051115.D

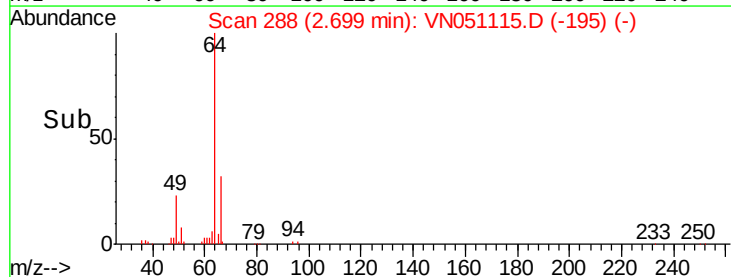
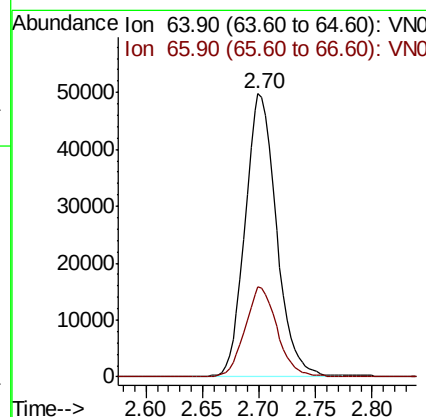
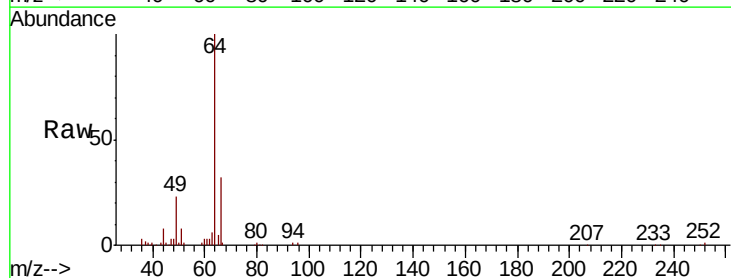
Acq: 11 Sep 2018 10:16

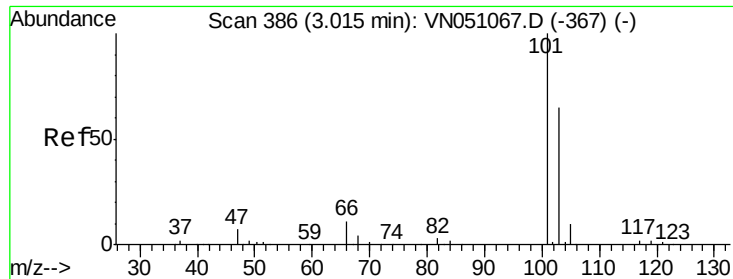
Tgt Ion: 64 Resp: 96448

Ion Ratio Lower Upper

64 100

66 31.7 26.1 39.1





#7

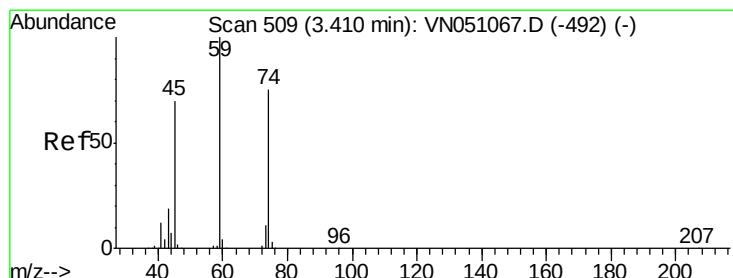
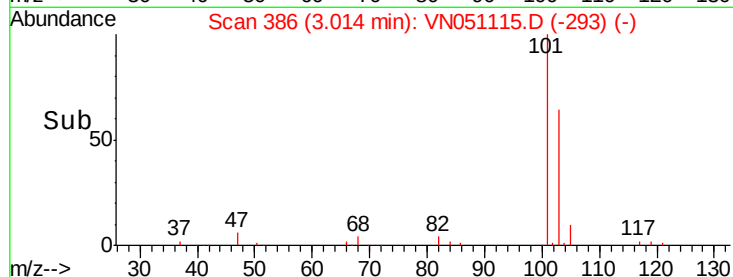
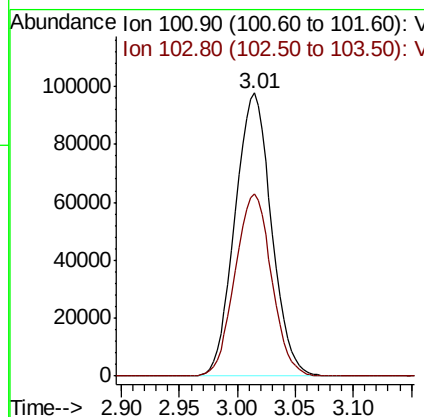
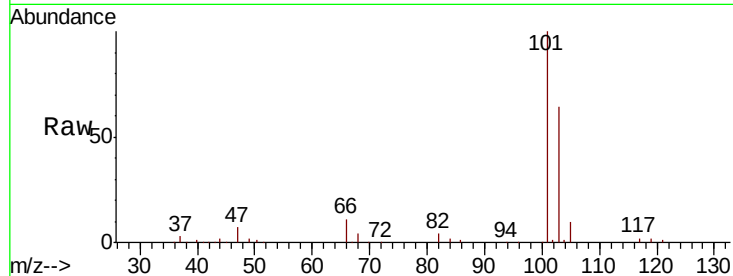
Trichlorofluoromethane
Concen: 19.14 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion:101 Resp: 213163
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6

Manual Integrations
APPROVED

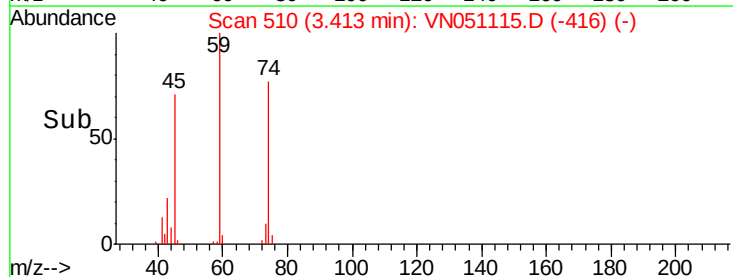
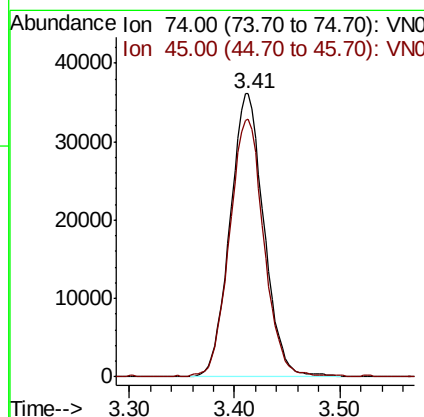
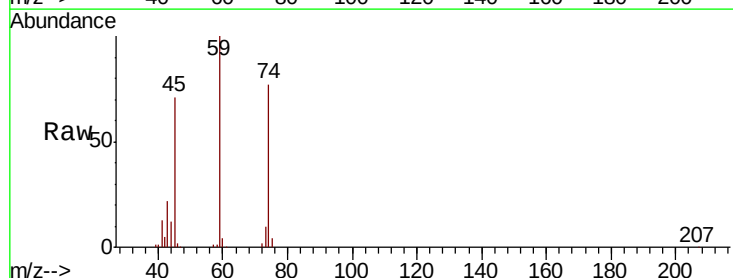
MMDadoda
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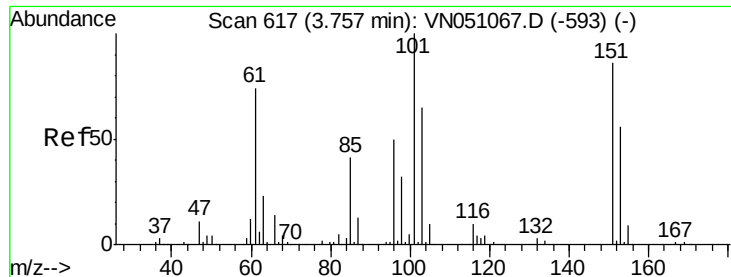


#8

Diethyl Ether
Concen: 19.65 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 74 Resp: 80499
Ion Ratio Lower Upper
74 100
45 92.3 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.98 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

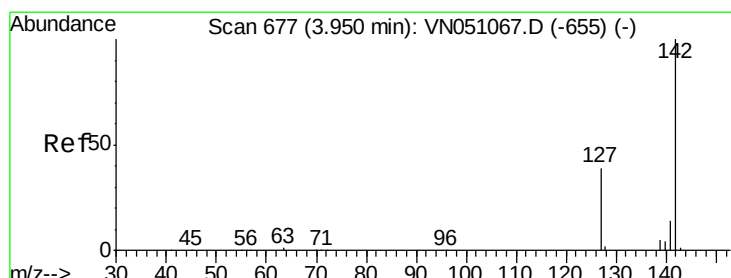
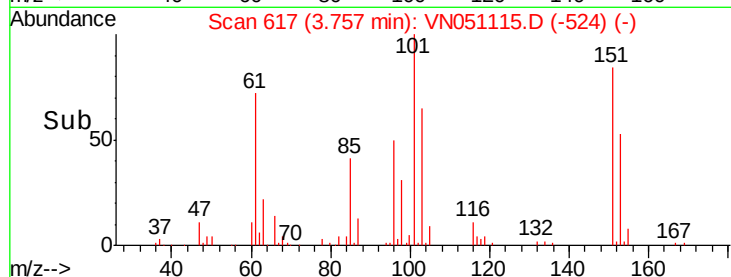
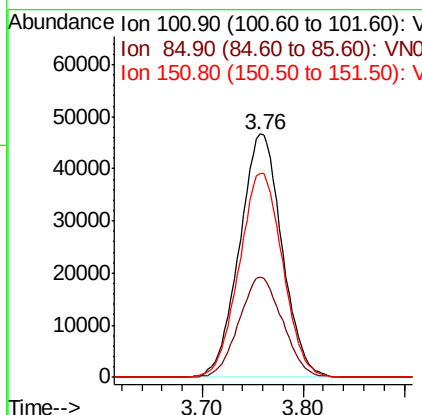
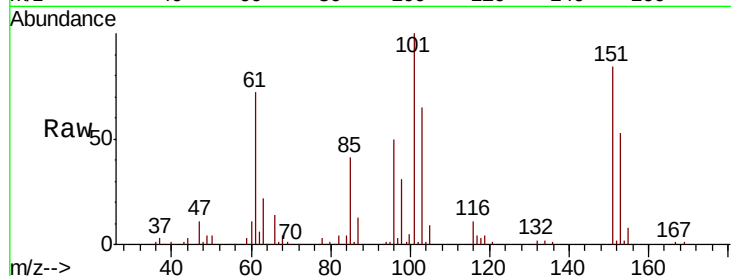
ClientSampleId :

VN0911WBSD01

Tot Ion:	101	Resp:	136285
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.3	49.9
151	85.9	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.05 ug/l

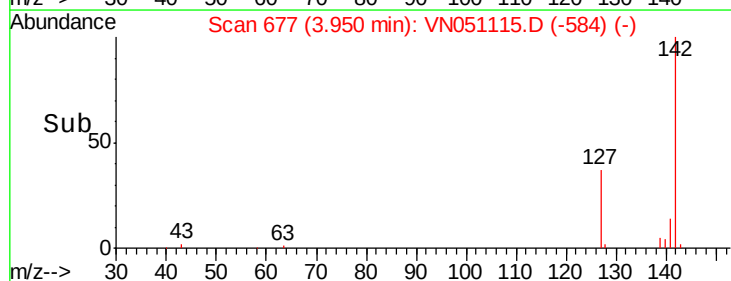
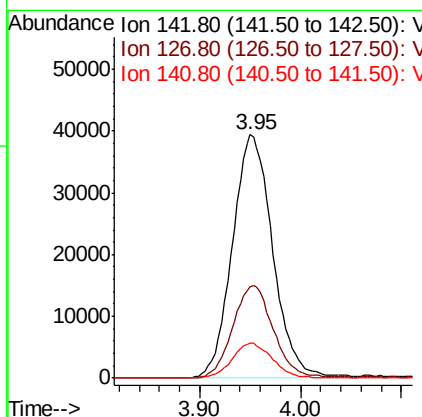
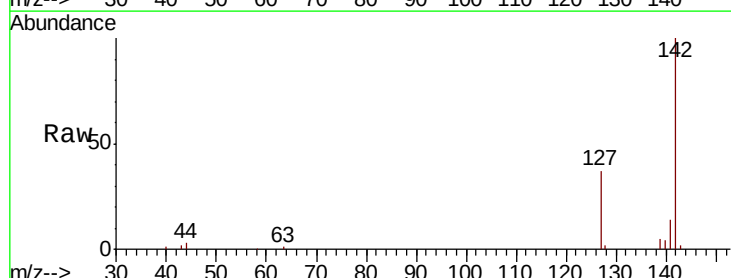
RT: 3.95 min Scan# 677

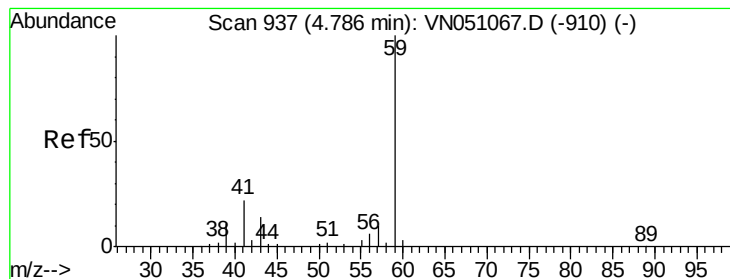
Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion:	142	Resp:	109120
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	14.5	11.3	16.9





#11

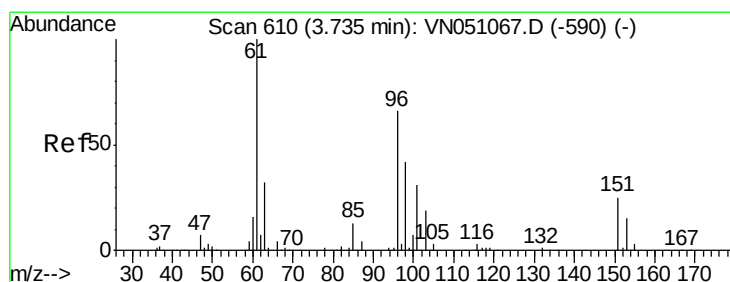
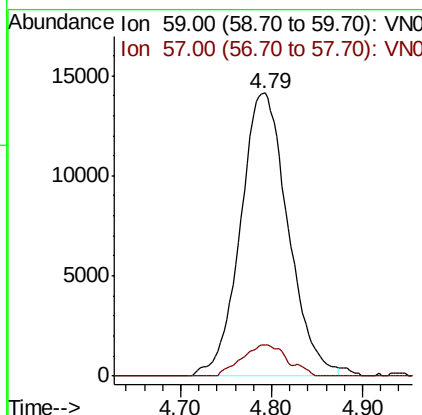
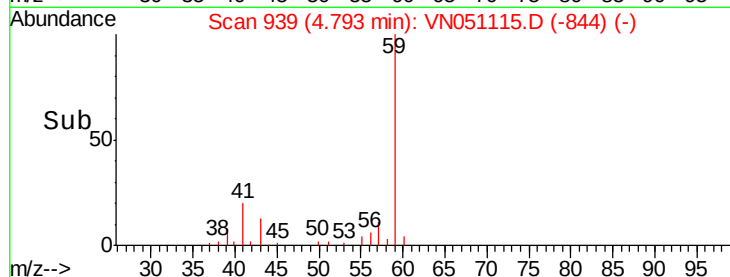
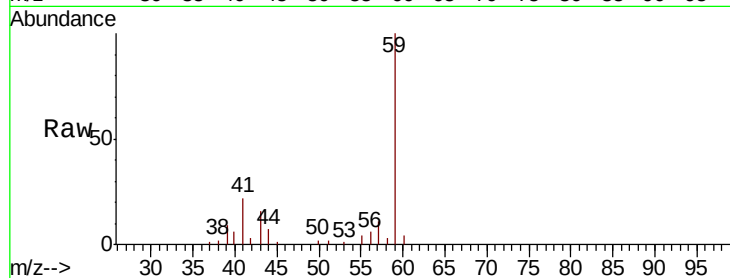
Tert butyl alcohol
 Concen: 95.05 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

Manual Integrations
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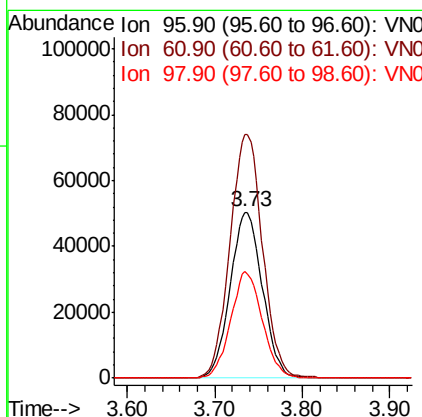
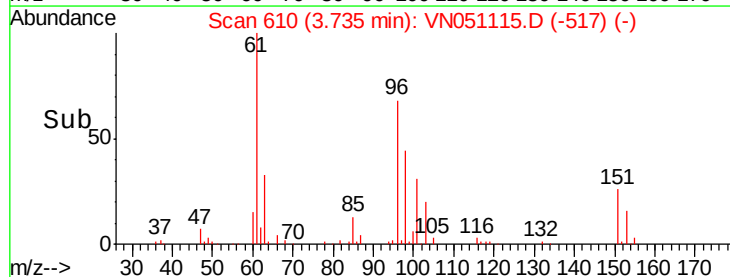
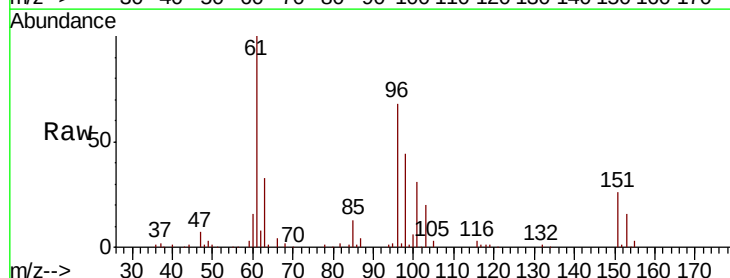
MMDadoda
 9/12/2018 10:06:45 AM

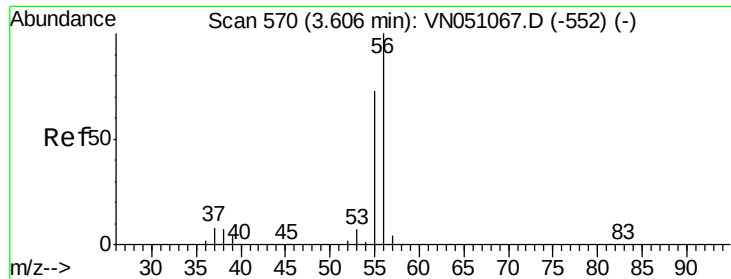


#12

1,1-Dichloroethene
 Concen: 19.04 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	120.3	180.5
98	64.3	50.8	76.2





#13

Acrolein

Concen: 114.55 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion: 56 Resp: 65872

Ion Ratio Lower Upper

56 100

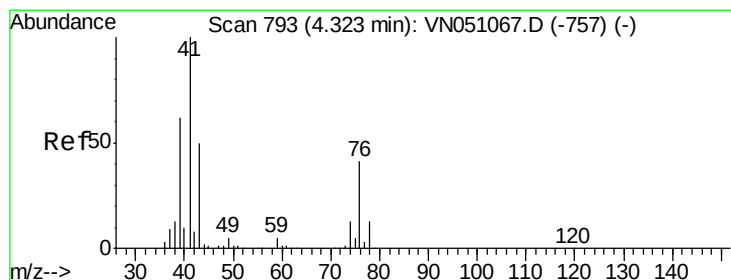
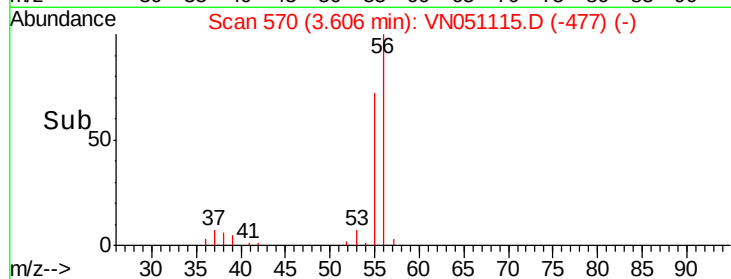
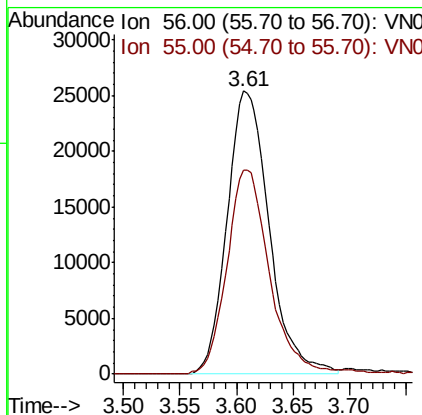
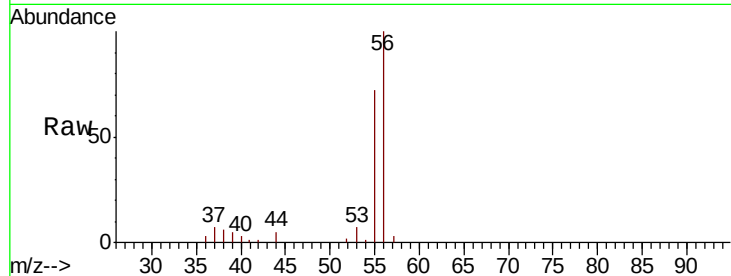
55 72.4 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.87 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

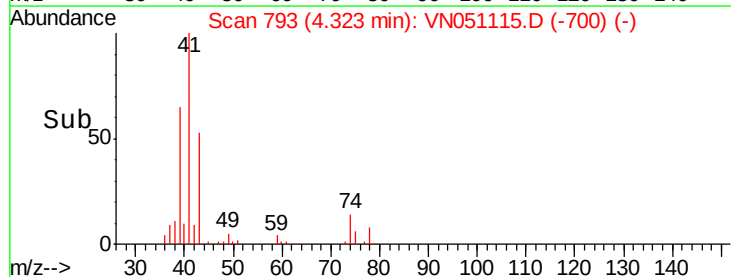
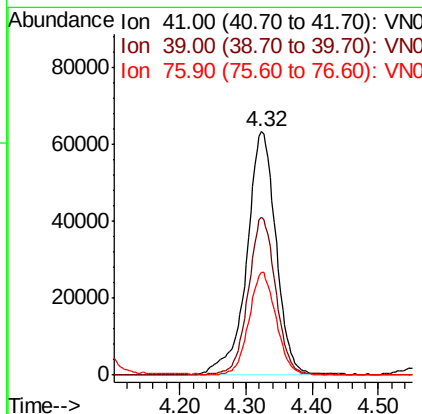
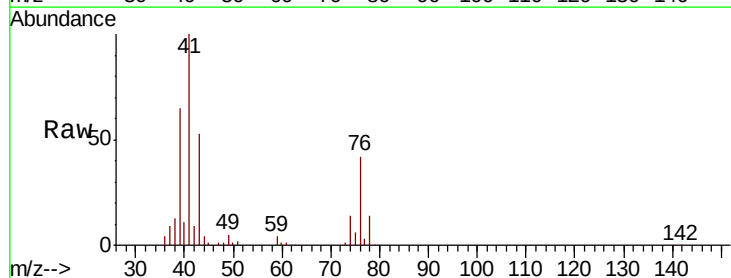
Tgt Ion: 41 Resp: 194751

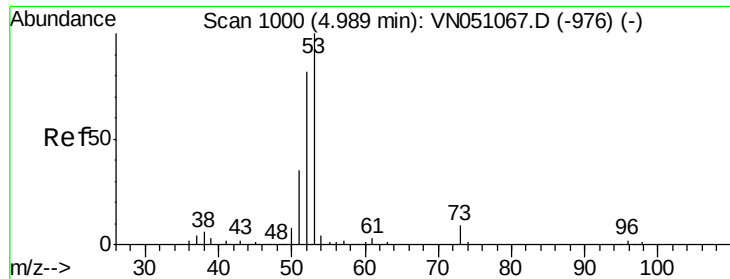
Ion Ratio Lower Upper

41 100

39 60.9 48.8 73.2

76 39.0 30.6 45.8





#15

Acrylonitrile

Concen: 97.10 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

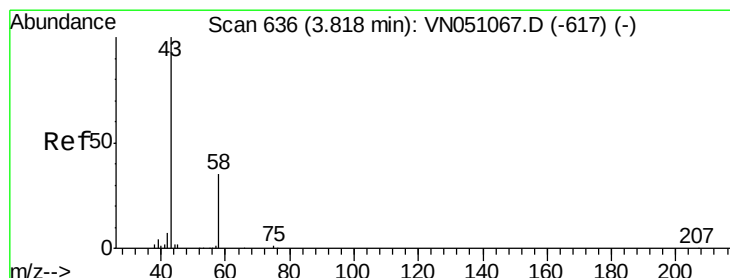
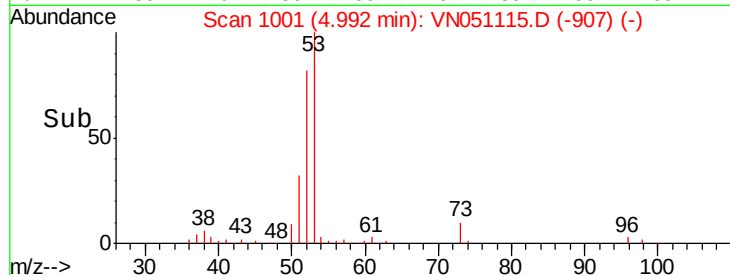
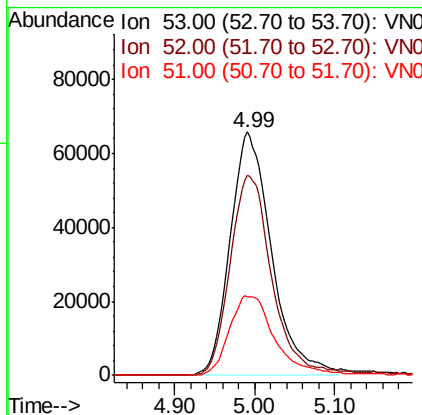
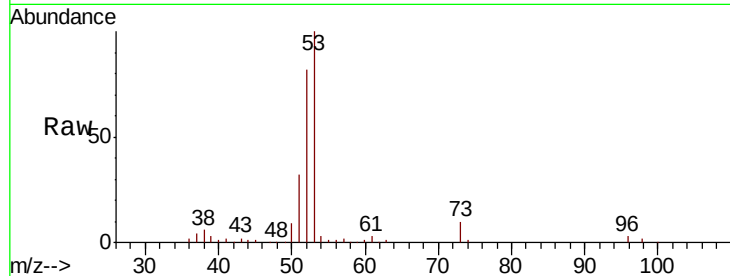
ClientSampleId :

VN0911WBSD01

Tot Ion:	53	Resp:	232253
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.3	97.9
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.67 ug/l

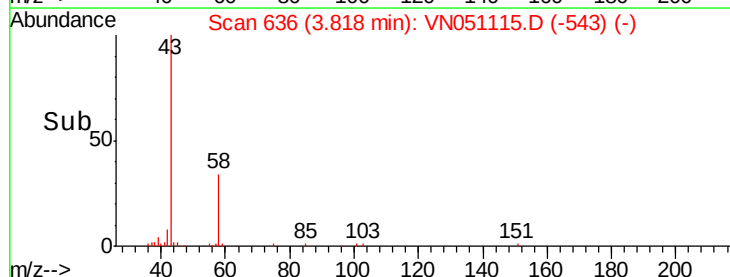
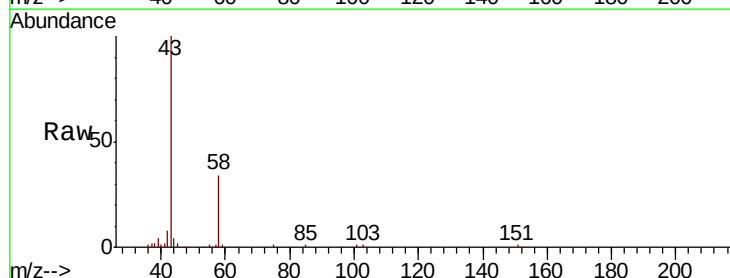
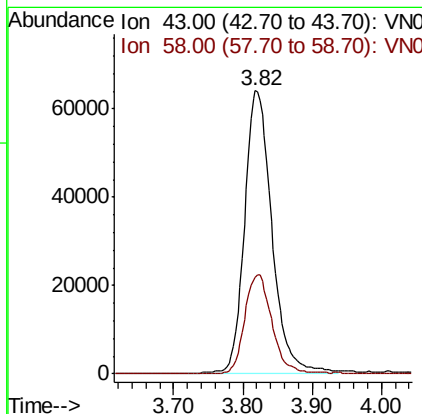
RT: 3.82 min Scan# 636

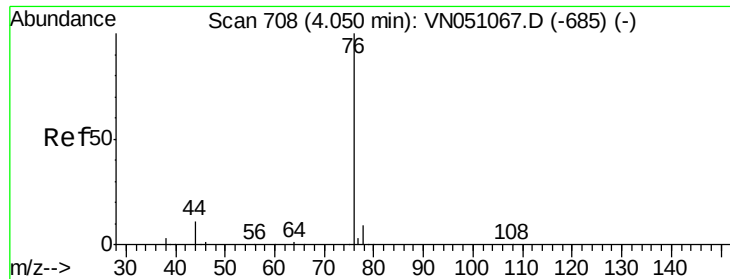
Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion:	43	Resp:	176881
Ion Ratio	Lower	Upper	
43	100		
58	34.1	27.8	41.6





#17

Carbon Disulfide

Concen: 18.64 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion: 76 Resp: 370766

Ion Ratio Lower Upper

76 100

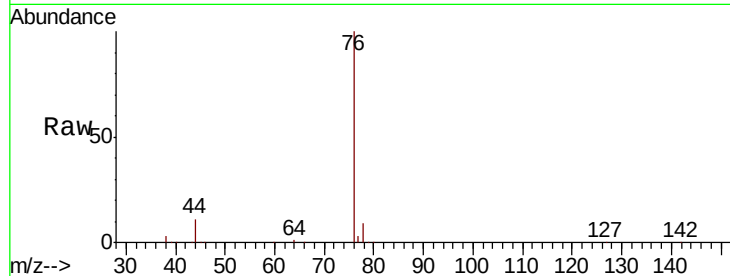
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

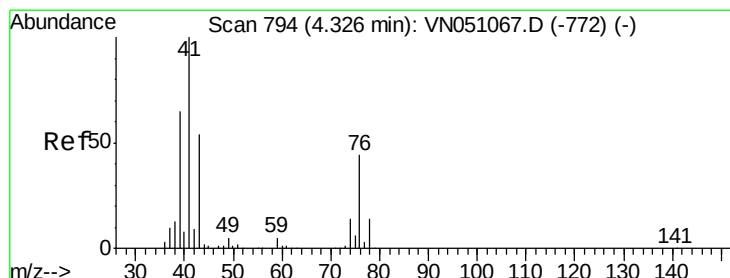
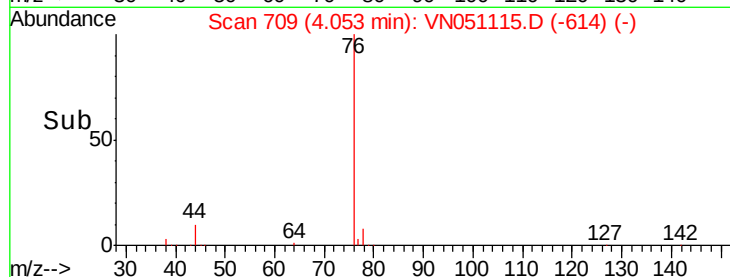
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 19.18 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051115.D

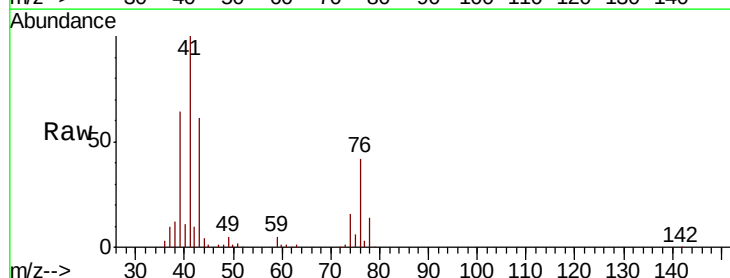
Acq: 11 Sep 2018 10:16

Tgt Ion: 43 Resp: 108558

Ion Ratio Lower Upper

43 100

74 25.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

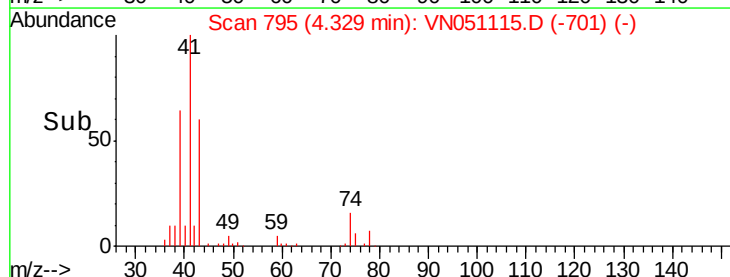
20000

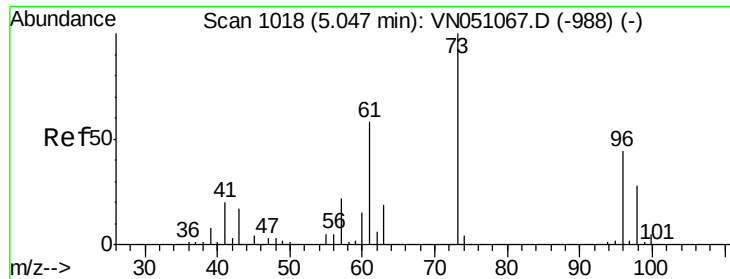
10000

0

4.20 4.30 4.40

Time-->





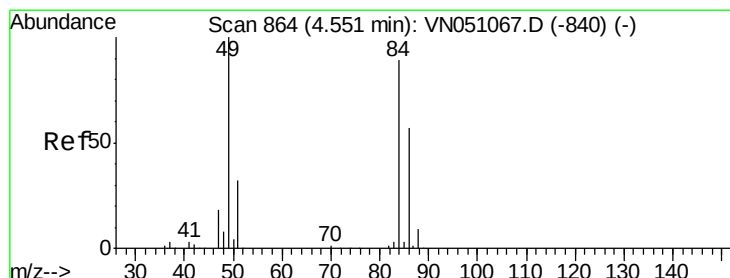
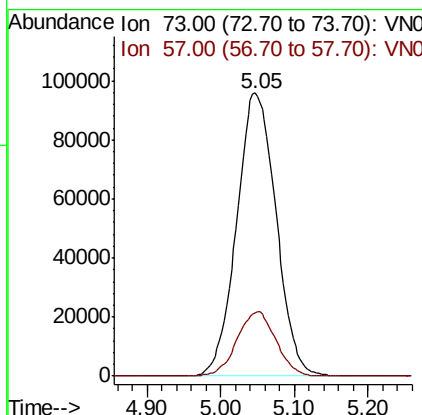
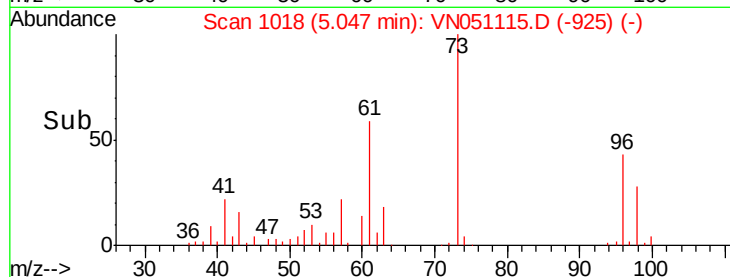
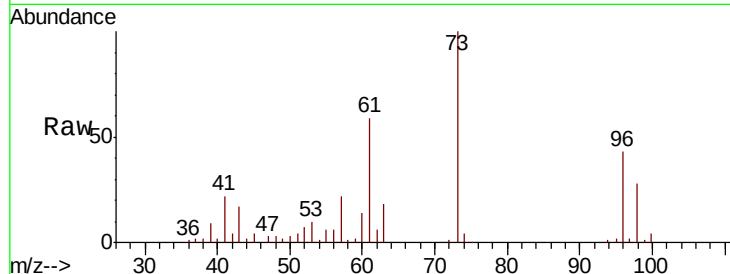
#19
Methvl tert-butvl Ether
Concen: 19.97 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

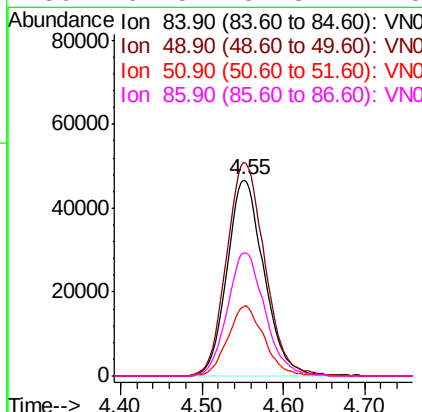
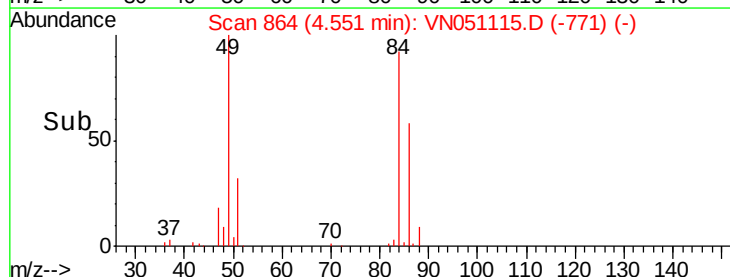
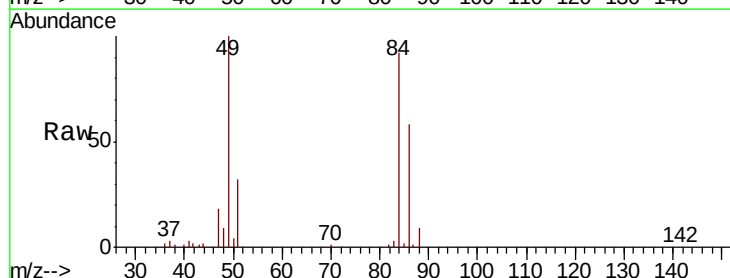
Manual Integrations
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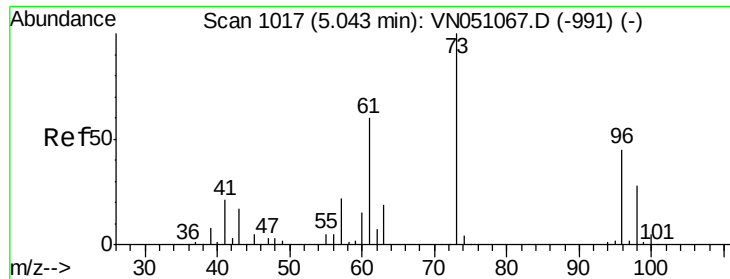
MMDadoda
9/12/2018 10:06:45 AM



#20
Methylene Chloride
Concen: 18.92 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.0	90.2	135.2
51	35.3	28.4	42.6
86	62.8	51.8	77.8





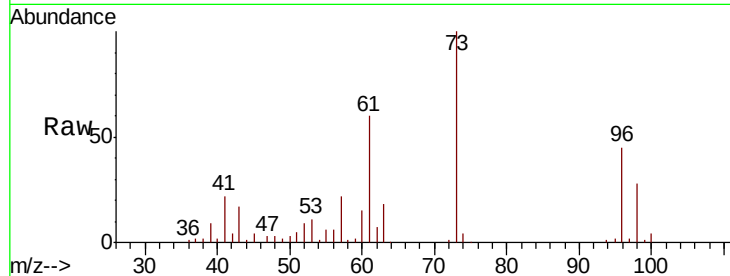
#21
trans-1,2-Dichloroethene
Concen: 18.47 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	106.5	159.7
98	63.7	50.4	75.6

Manual Integrations
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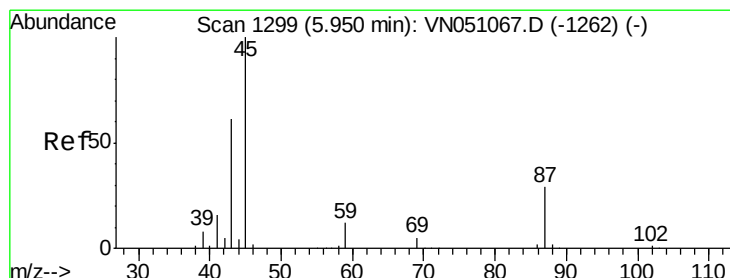
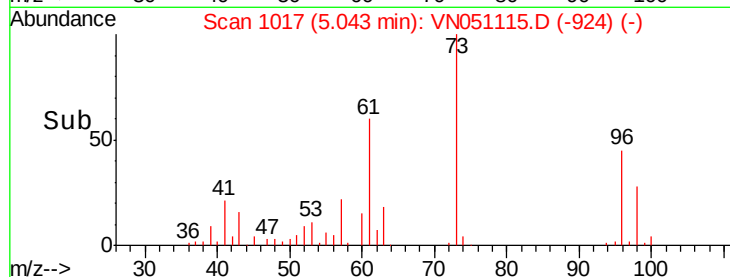
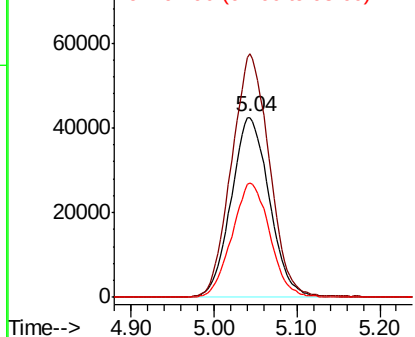


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.34 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.8	73.2
87	30.6	23.8	35.8
59	12.1	9.6	14.4

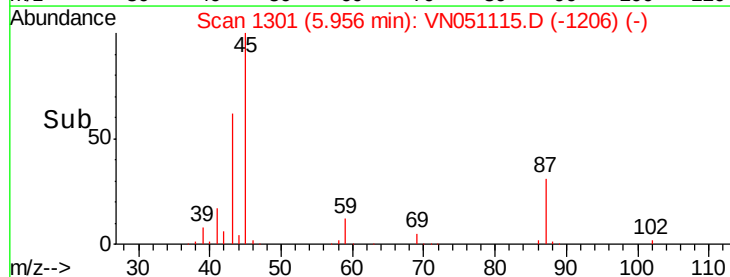
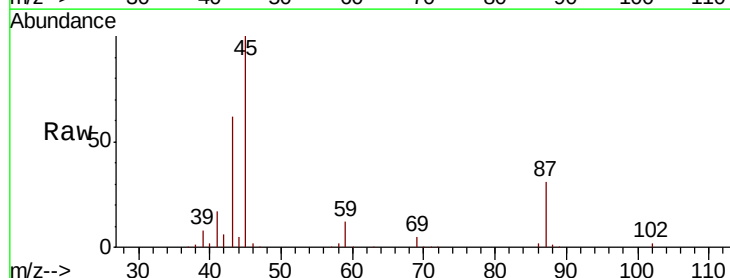
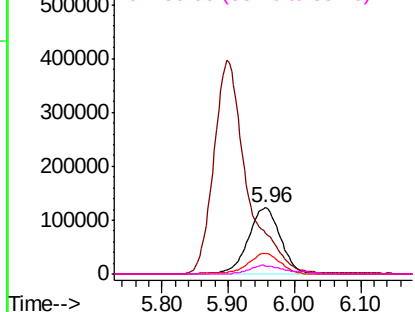
Abundance

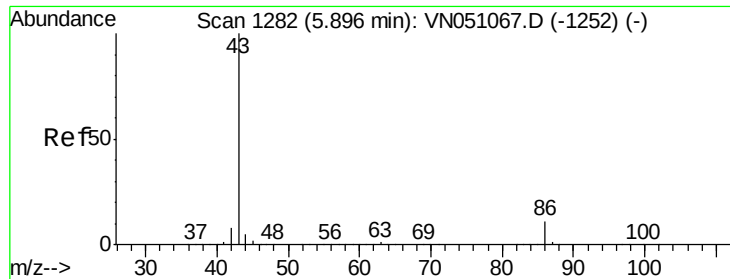
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





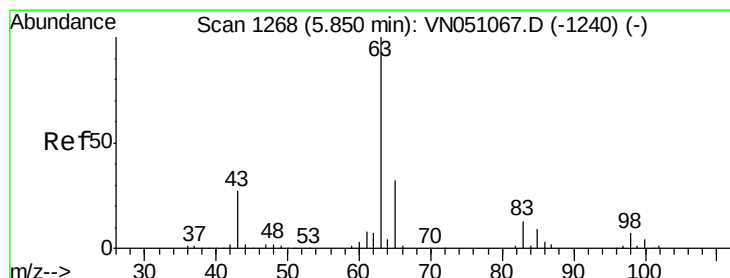
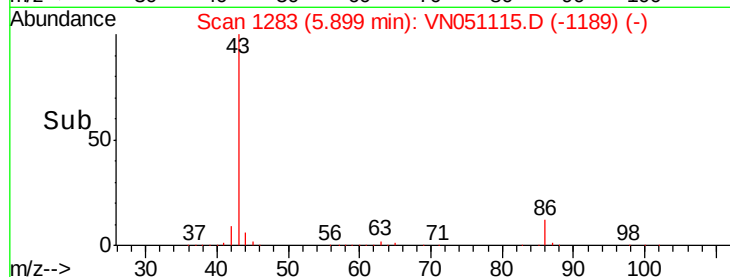
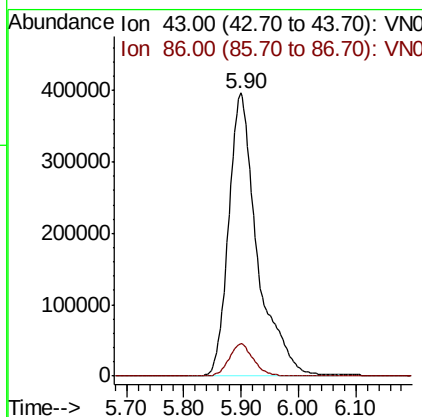
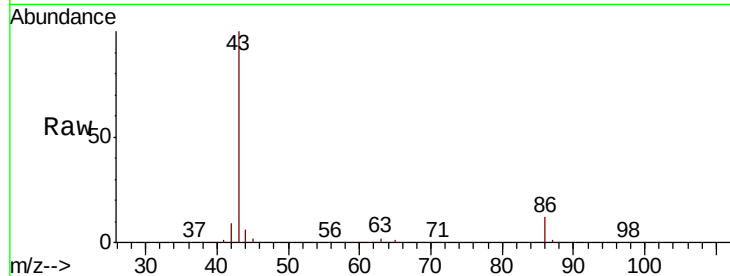
#23
 Vinyl Acetate
 Concen: 99.34 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion: 43 Resp: 1377138
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.2 13.8

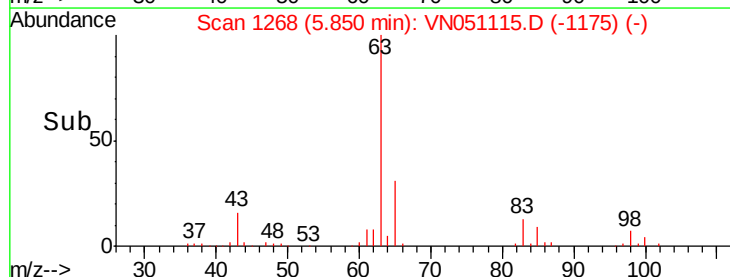
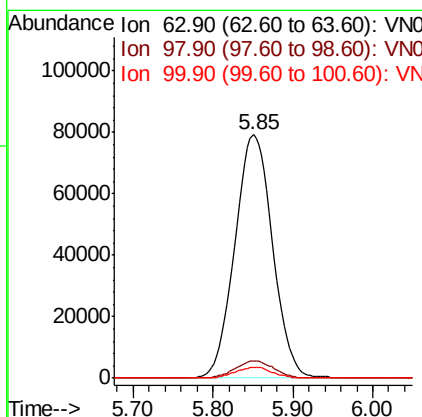
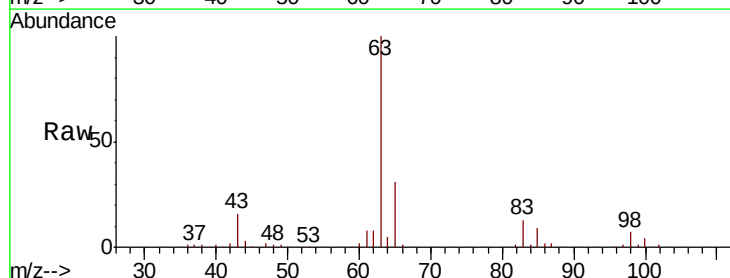
Manual Integrations
 APPROVED

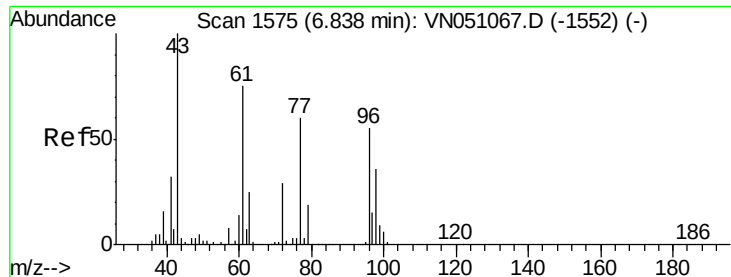
MMDadoda
 9/12/2018 10:06:45 AM



#24
 1,1-Dichloroethane
 Concen: 19.50 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 63 Resp: 253479
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 93.67 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion: 43 Resp: 260272

Ion Ratio Lower Upper

43 100

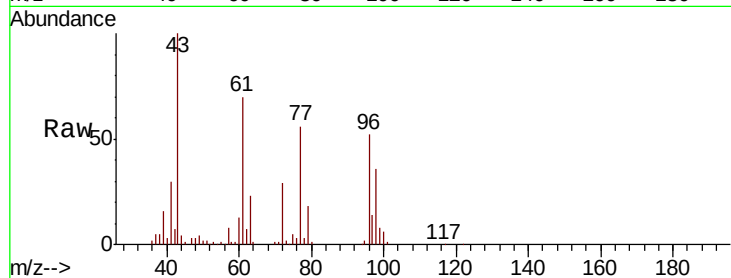
72 28.8 23.0 34.6

Manual Integrations

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MMDadoda

9/12/2018 10:06:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

80000

60000

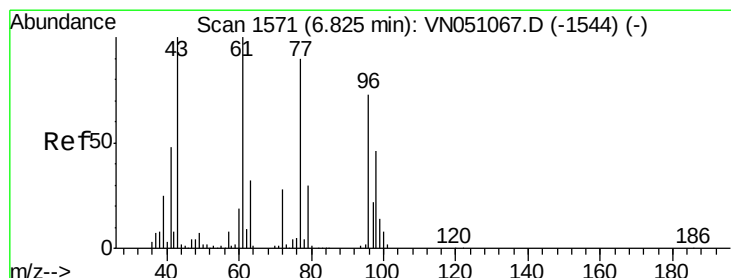
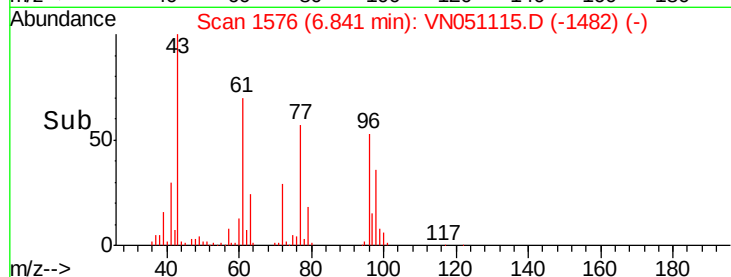
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.67 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051115.D

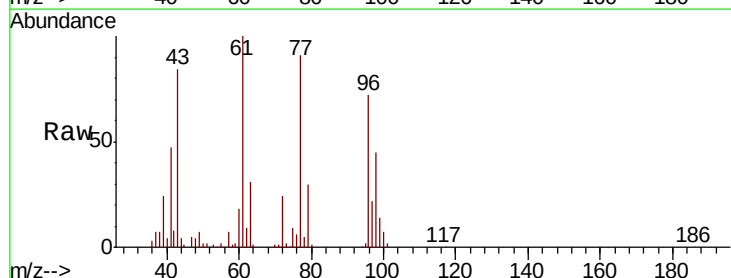
Acq: 11 Sep 2018 10:16

Tgt Ion: 77 Resp: 198638

Ion Ratio Lower Upper

77 100

97 24.3 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

60000

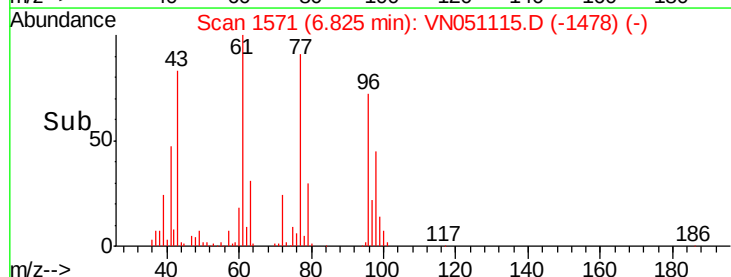
40000

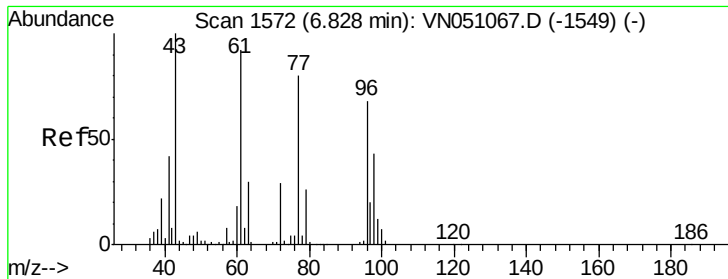
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.05 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

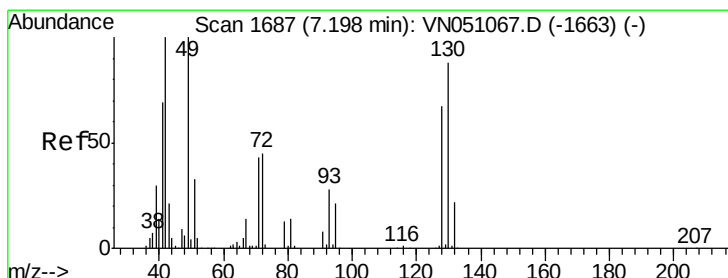
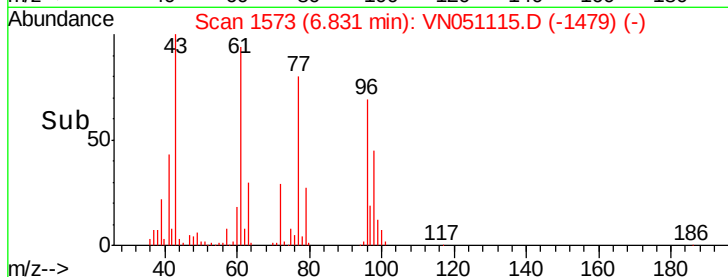
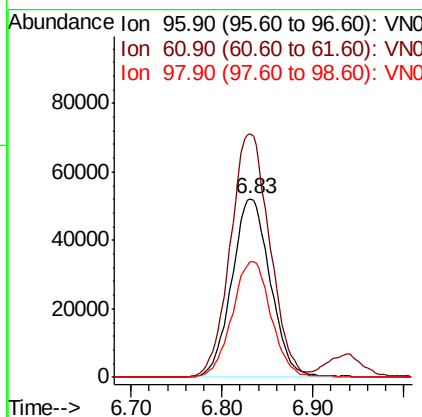
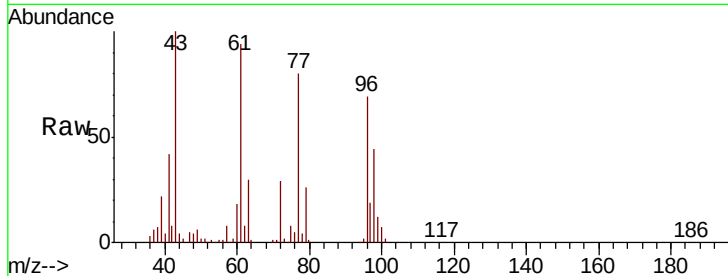
ClientSampleId :

VN0911WBSD01

Tot Ion:	96	Resp:	153527
Ion Ratio	Lower	Upper	
96	100		
61	139.4	0.0	278.2
98	65.3	0.0	129.4

Manual Integrations
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9/12/2018 10:06:45 AM



#28

Bromochloromethane

Concen: 20.10 ug/l

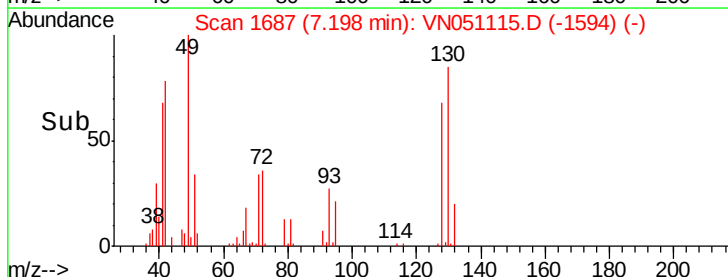
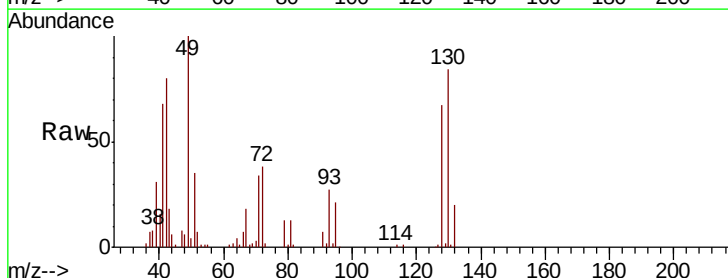
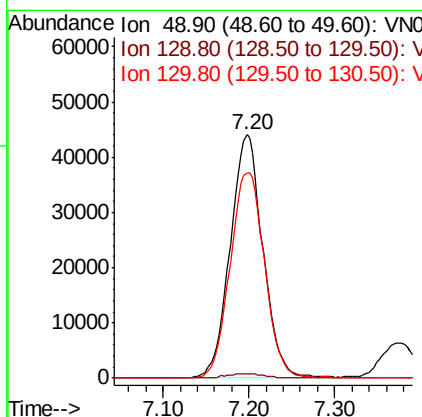
RT: 7.20 min Scan# 1687

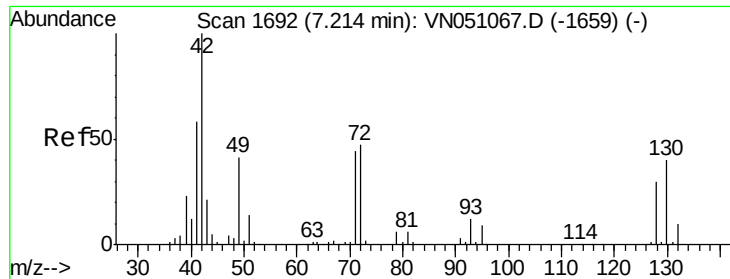
Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion:	49	Resp:	116288
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	4.4
130	88.9	70.7	106.1





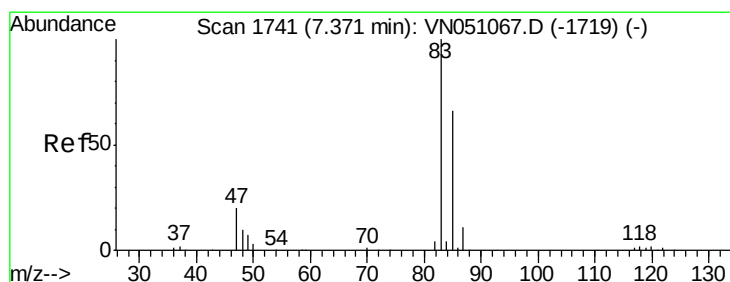
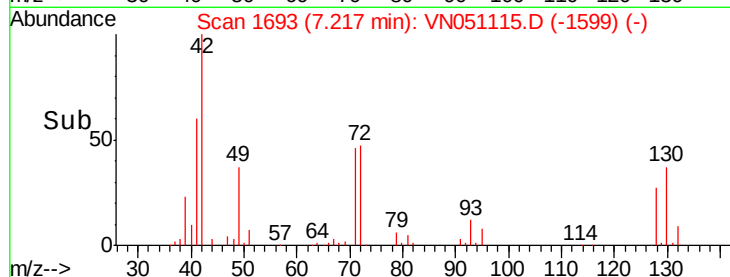
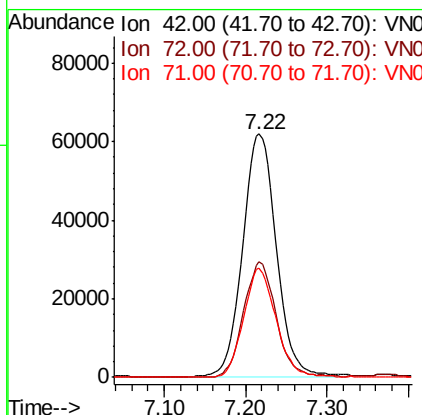
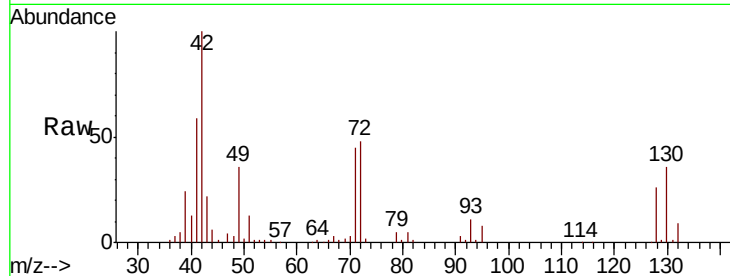
#29
Tetrahydrofuran
Concen: 101.19 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.4	56.0
71	43.3	34.7	52.1

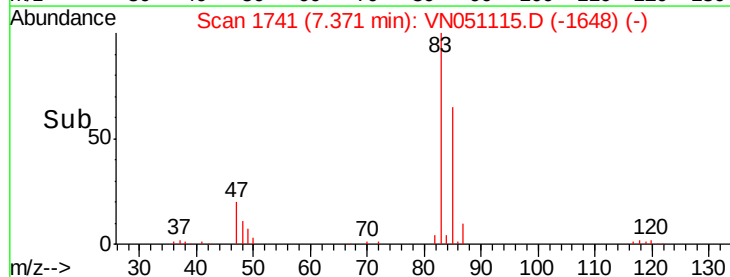
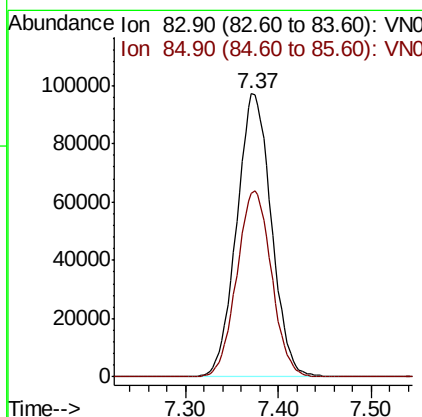
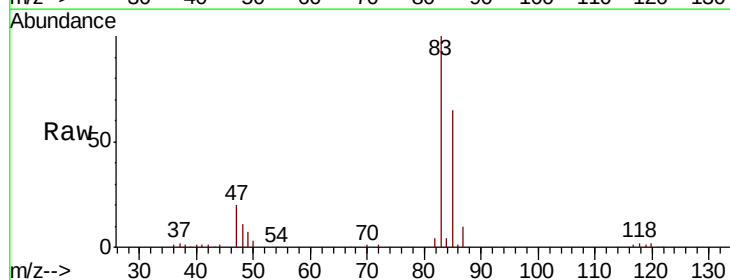
Manual Integrations
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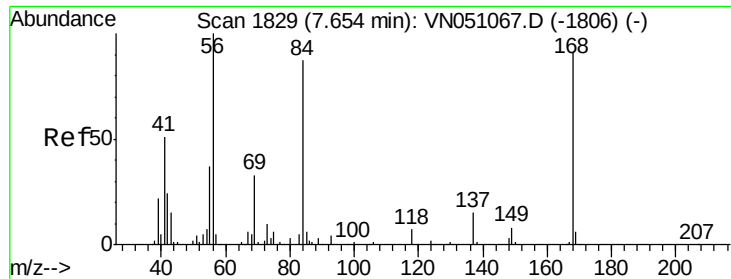
MMDadoda
9/12/2018 10:06:45 AM



#30
Chloroform
Concen: 19.51 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	79.0





#31

Cyclohexane

Concen: 19.39 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

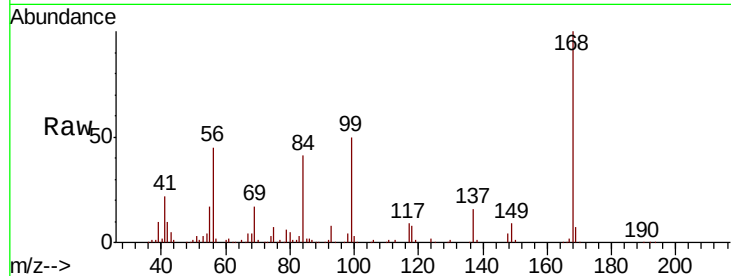
ClientSampleId :

VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.3	39.5
84	90.2	69.4	104.0

Manual Integrations
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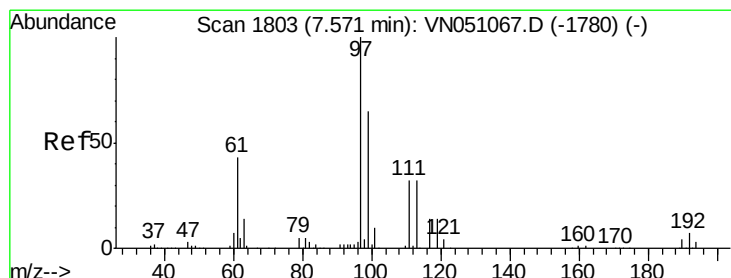
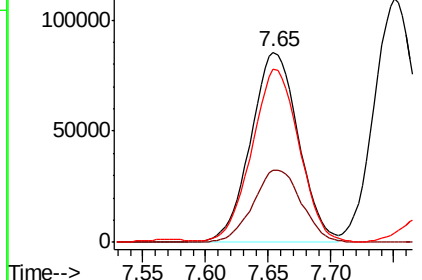
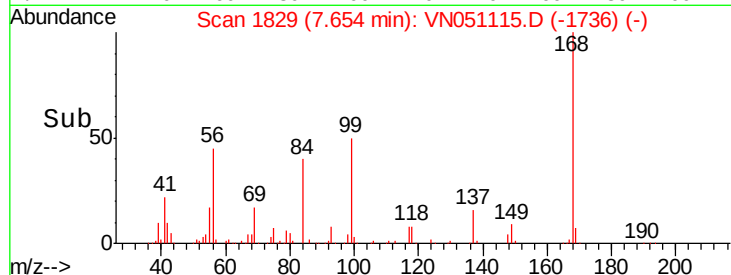
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9/12/2018 10:06:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN051115.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051115.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051115.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.60 ug/l

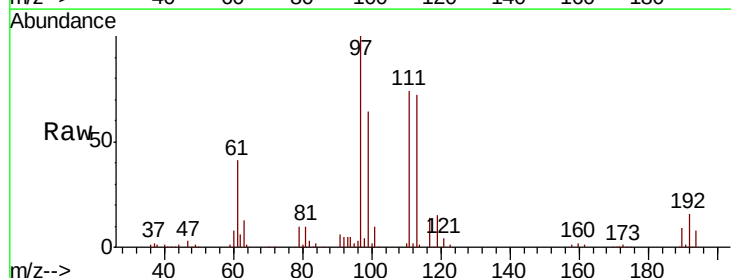
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

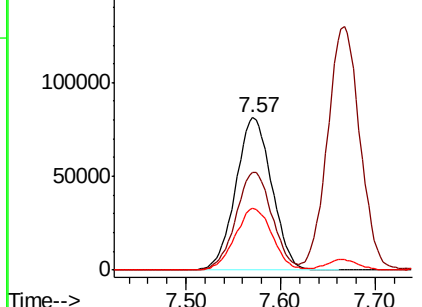
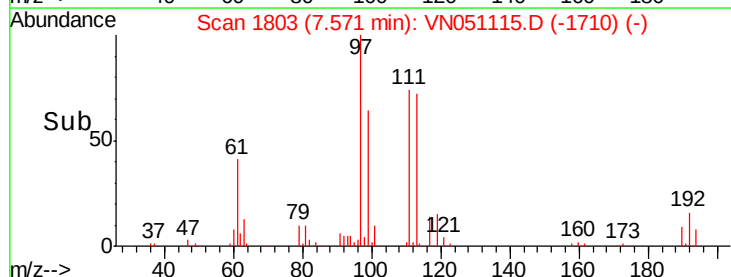
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	41.5	33.8	50.6

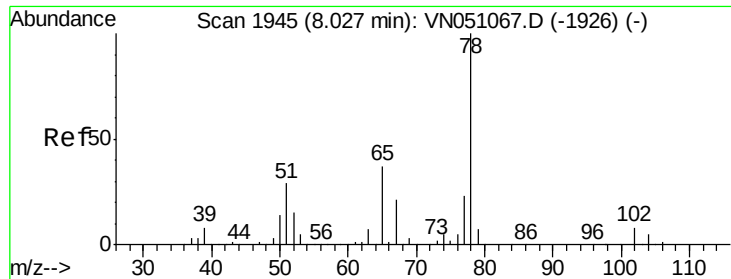


Abundance Ion 96.90 (96.60 to 97.60): VN051115.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN051115.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN051115.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.71 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion: 65 Resp: 365419

Ion Ratio Lower Upper

65 100

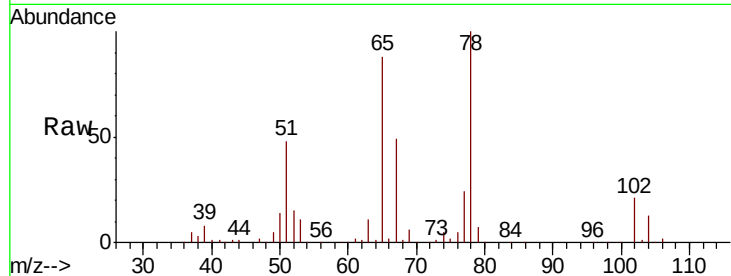
67 56.1 0.0 112.0

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Abundance Ion 64.90 (64.60 to 65.60): VN051115.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051115.D (-1926) (-)

8.03

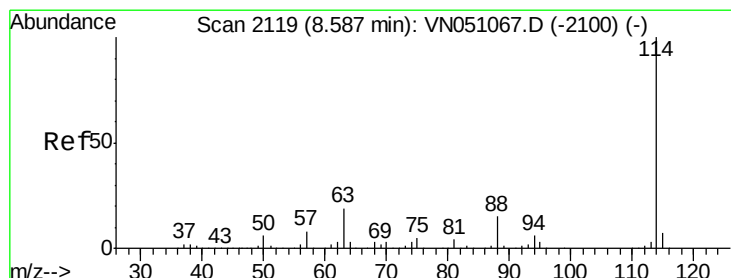
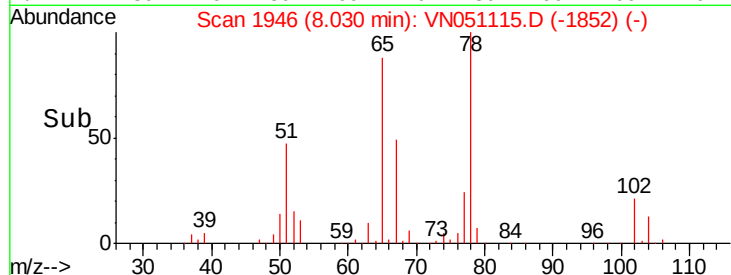
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

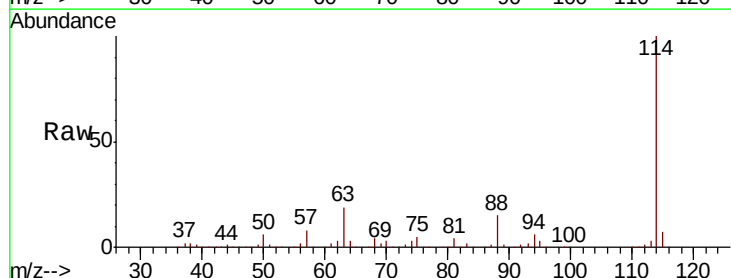
Tgt Ion: 114 Resp: 925960

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN051115.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN051115.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN051115.D (-2100) (-)

8.59

600000

500000

400000

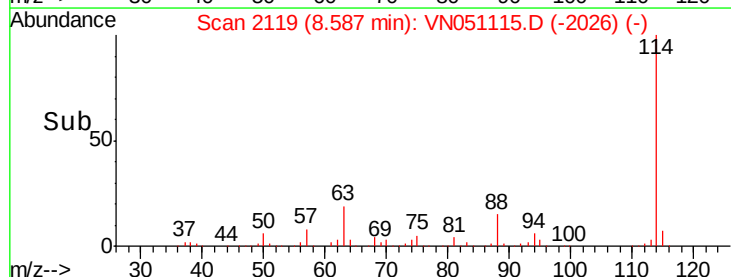
300000

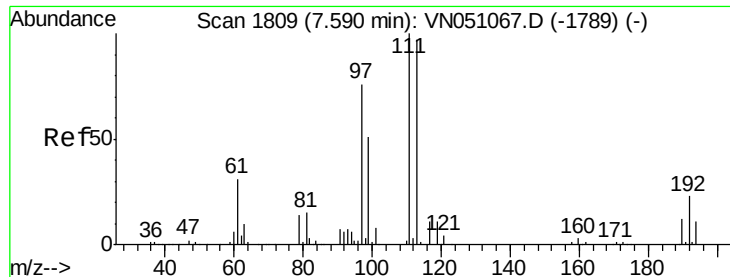
200000

100000

0

Time--> 8.50 8.60 8.70





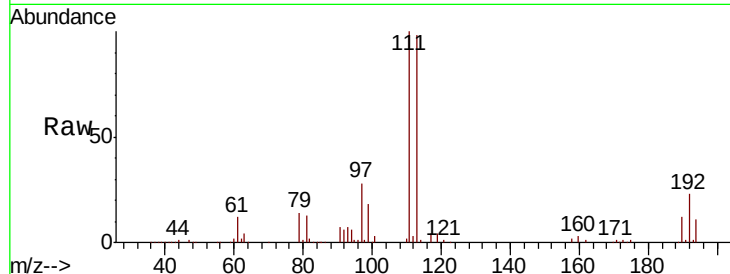
#35
Dibromofluoromethane
Concen: 50.85 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	83.0	124.6	
192	23.2	18.7	28.1	

Manual Integrations
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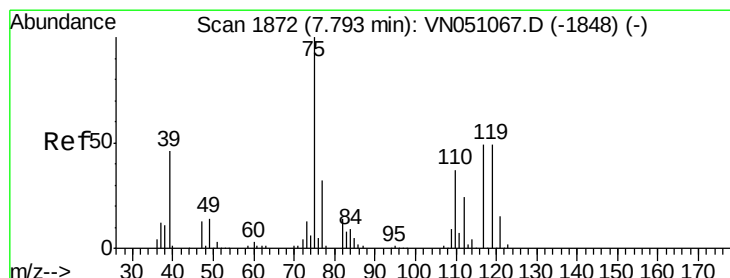
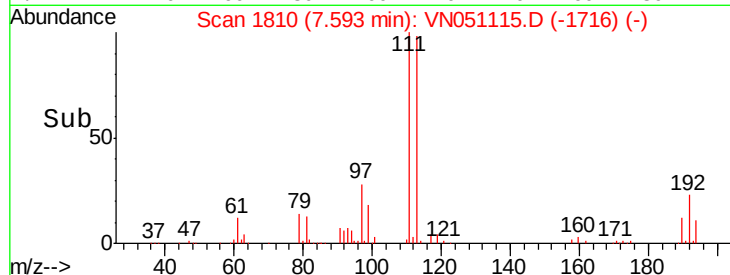
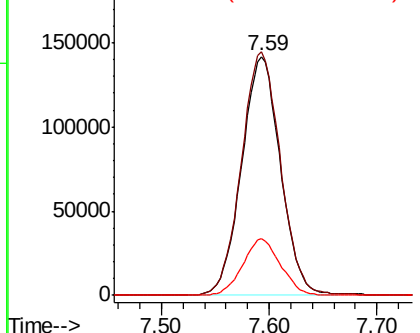


Abundance

Ion 112.80 (112.50 to 113.50): V

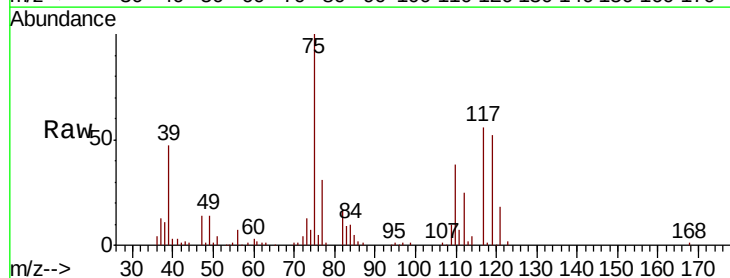
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 18.74 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.6	55.8	
77	32.0	25.2	37.8	

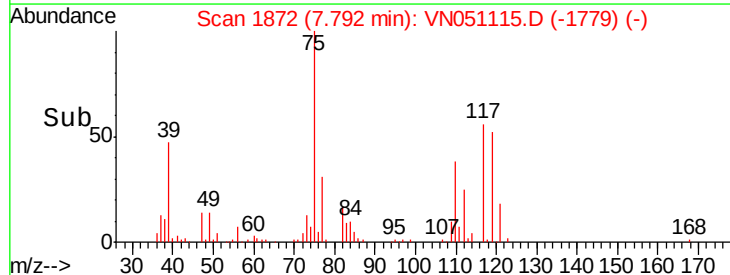
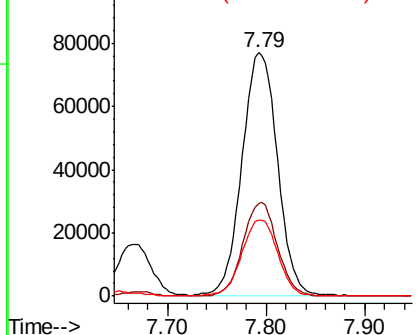


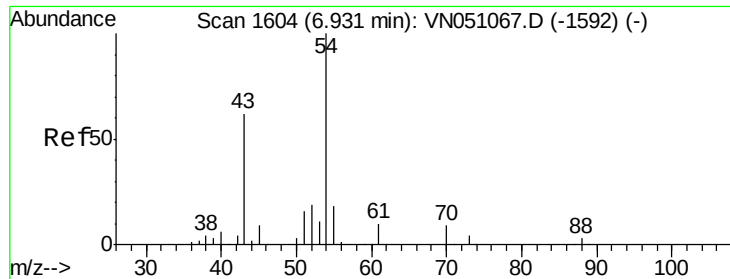
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





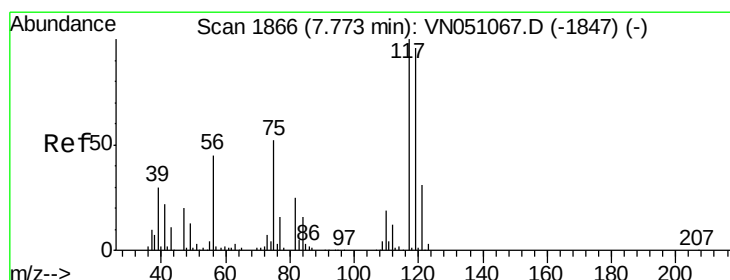
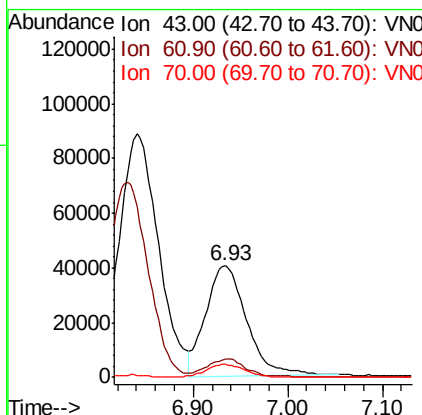
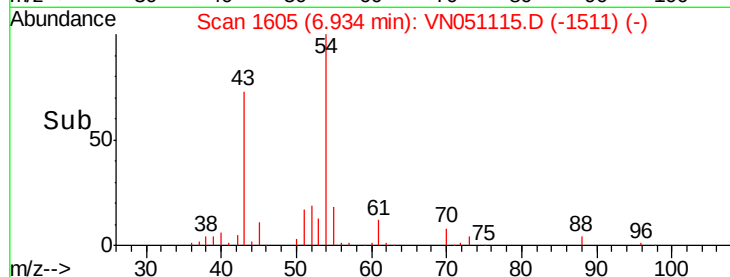
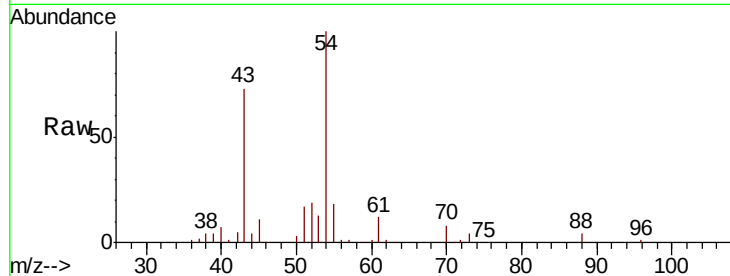
#37
Ethyl Acetate
Concen: 20.61 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.4	18.6
70	11.4	9.3	13.9

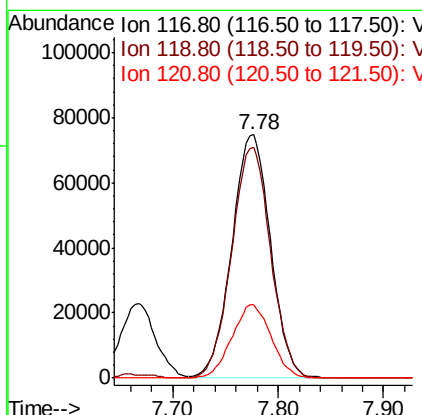
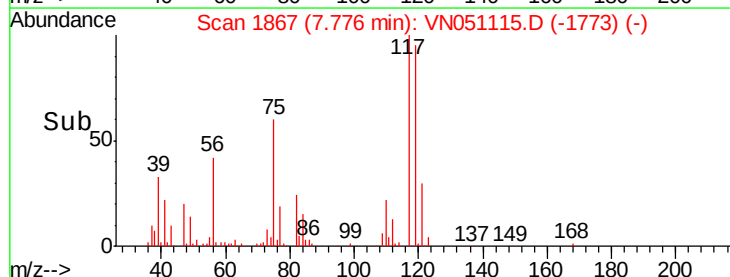
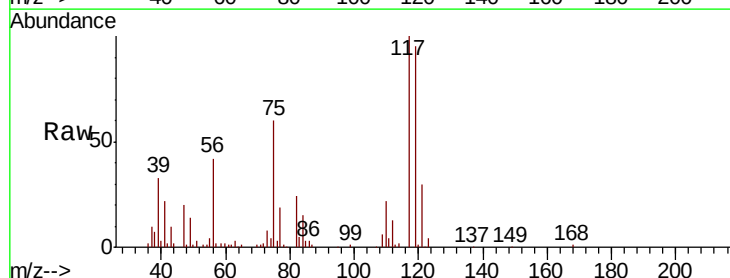
Manual Integrations
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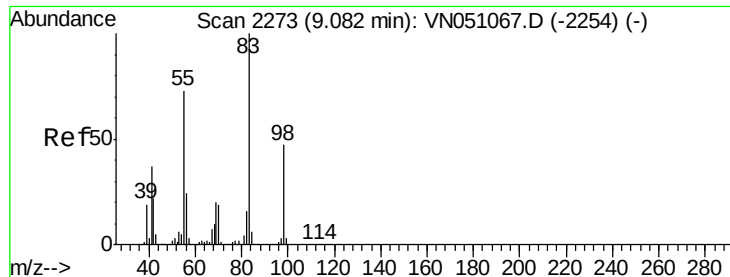
MMDadoda
9/12/2018 10:06:45 AM



#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.8	115.2
121	29.9	24.6	36.8





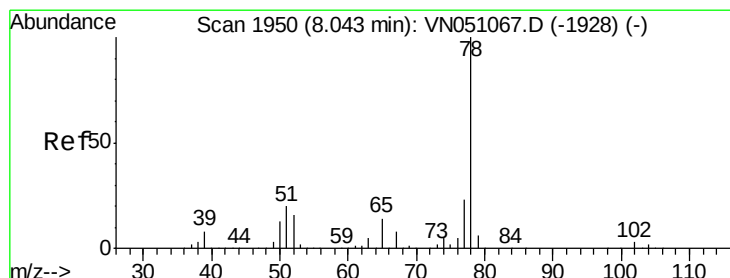
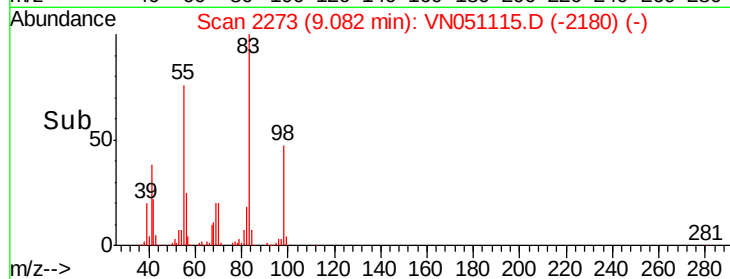
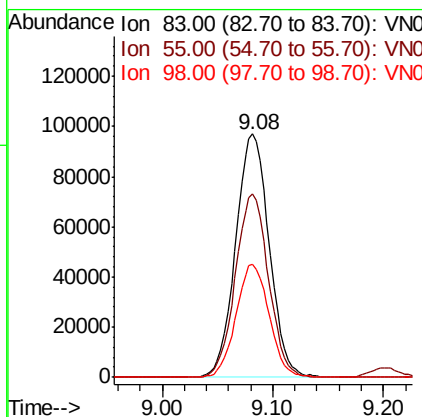
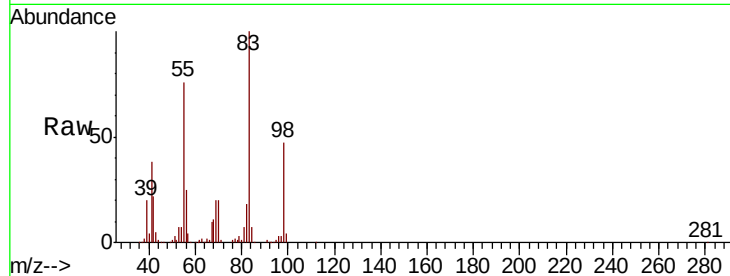
#39
Methylvlcyclohexane
Concen: 18.18 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	58.4	87.6
98	46.7	37.3	55.9

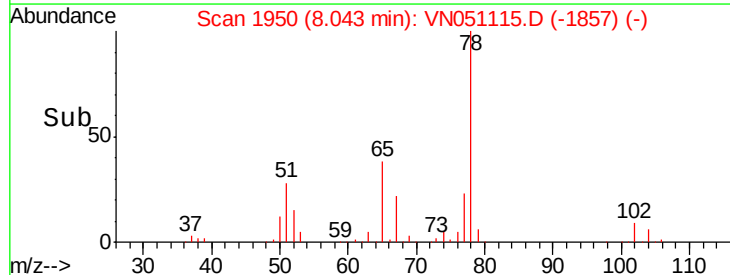
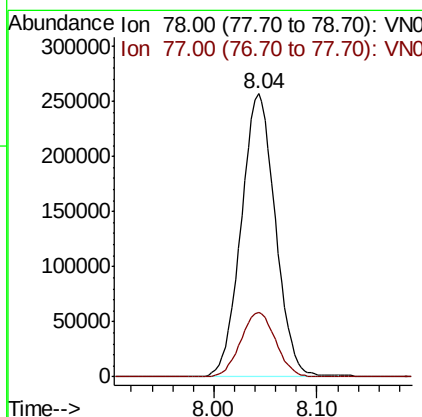
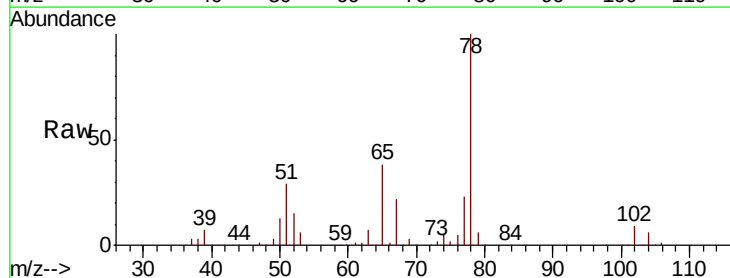
Manual Integrations
APPROVED

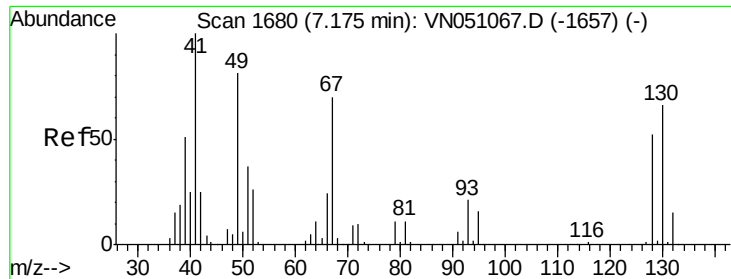
MMDadoda
9/12/2018 10:06:45 AM



#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.6	27.8





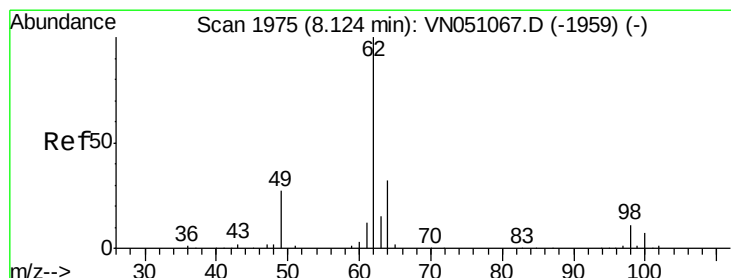
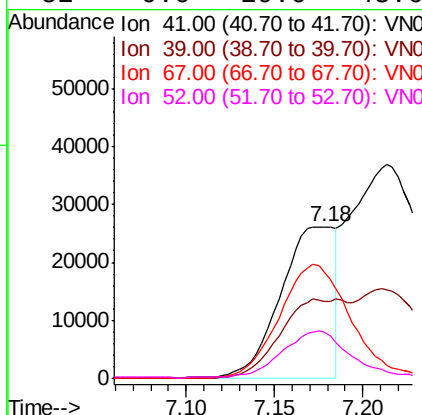
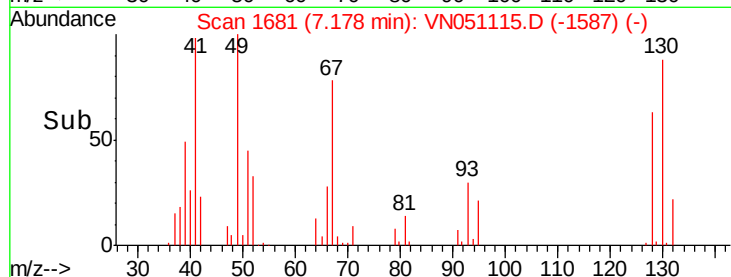
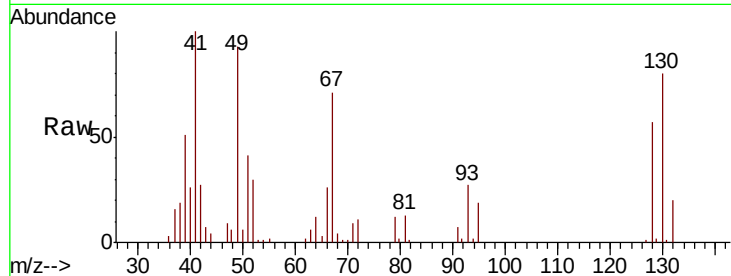
#41
Methacrylonitrile
Concen: 18.53 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.3	76.9#
67	0.0	78.5	117.7#
52	0.0	29.0	43.6#

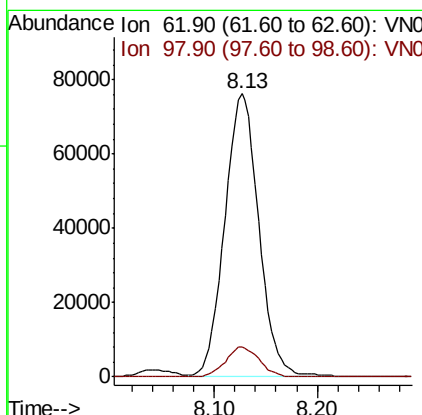
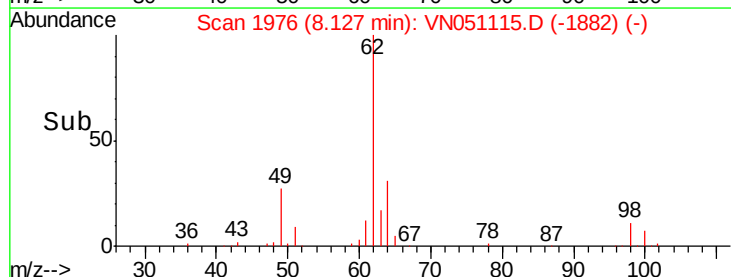
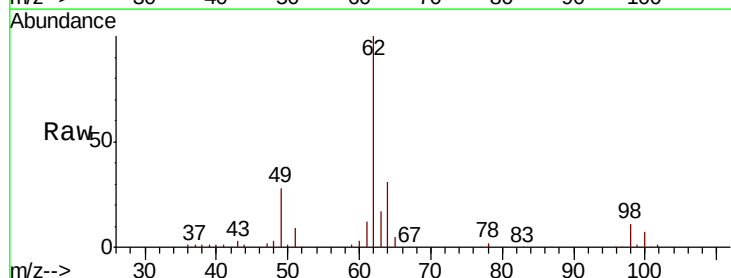
Manual Integrations
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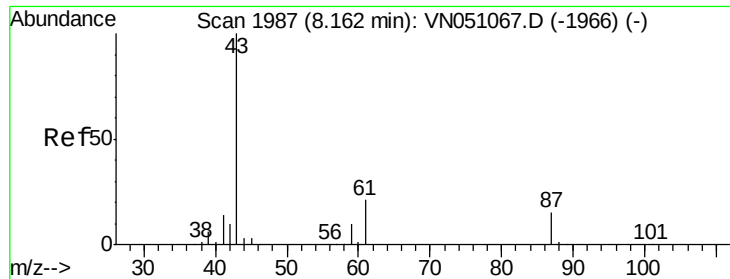
MMDadoda
9/12/2018 10:06:45 AM



#42
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 20.20 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

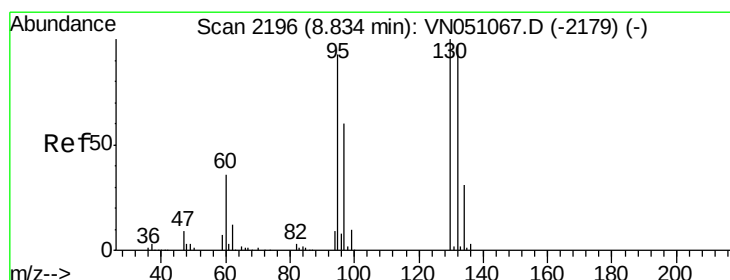
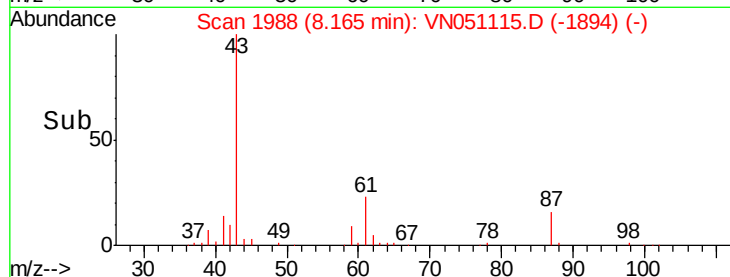
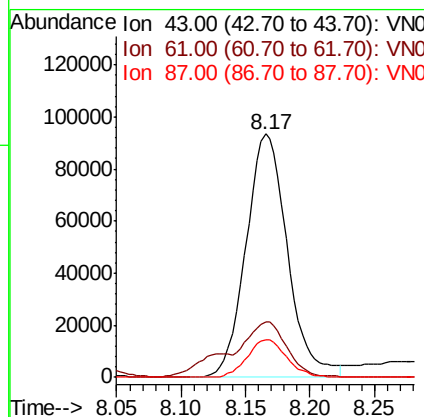
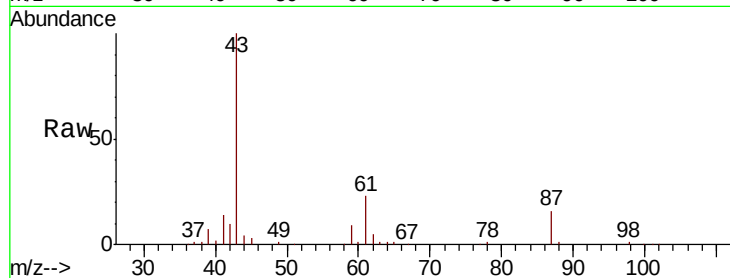
ClientSampleId :

VN0911WBSD01

Tot Ion:	43	Resp:	209881
Ion	Ratio	Lower	Upper
43	100		
61	22.3	25.0	37.6#
87	14.8	11.8	17.8

Manual Integrations
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9/12/2018 10:06:45 AM



#44

Trichloroethene

Concen: 18.35 ug/l

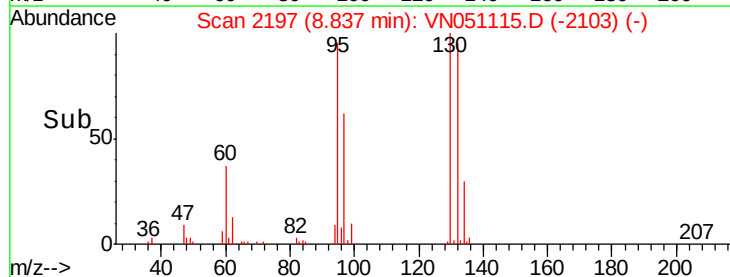
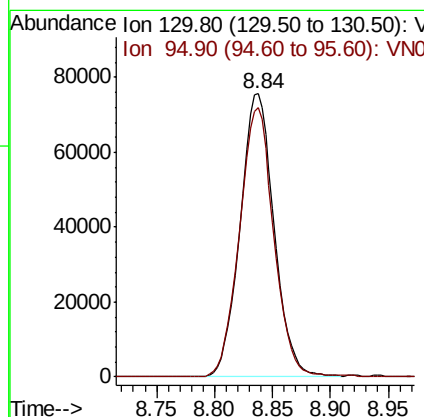
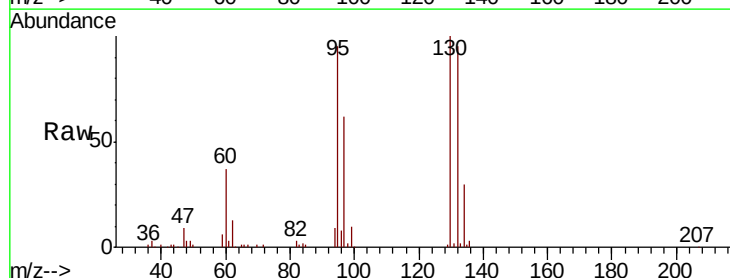
RT: 8.84 min Scan# 2197

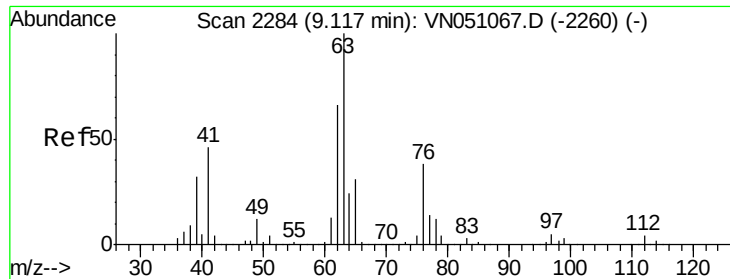
Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion:	130	Resp:	153751
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	186.2





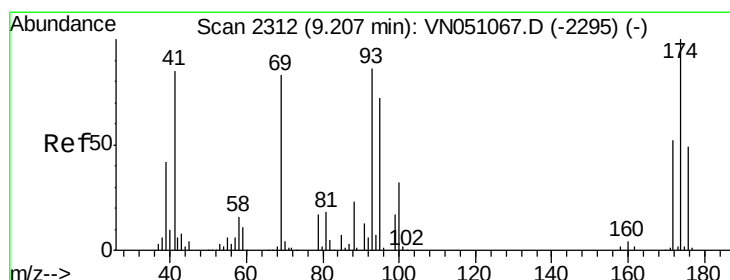
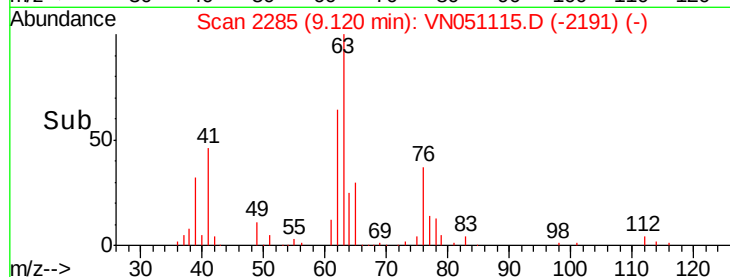
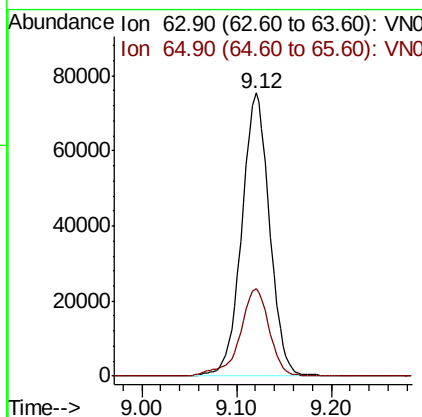
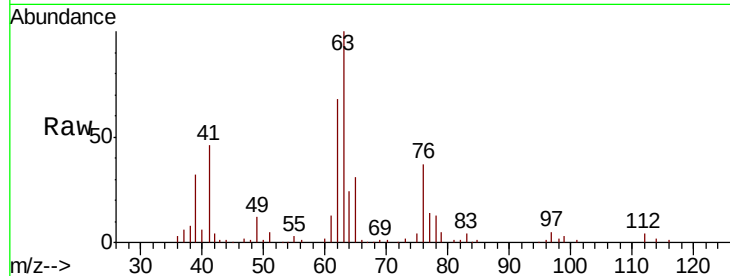
#45
 1,2-Dichloropropane
 Concen: 19.45 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion: 63 Resp: 153995
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

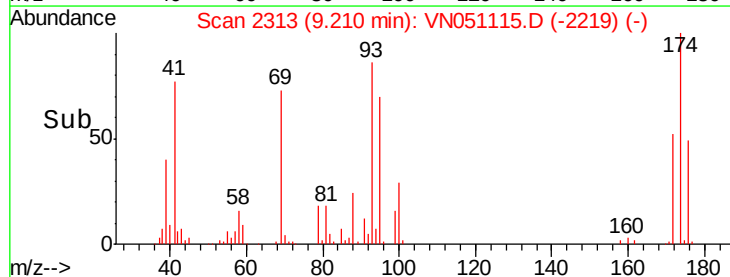
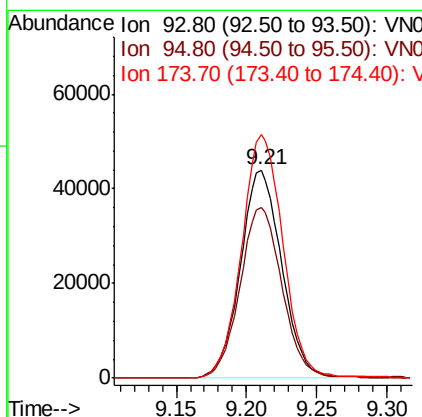
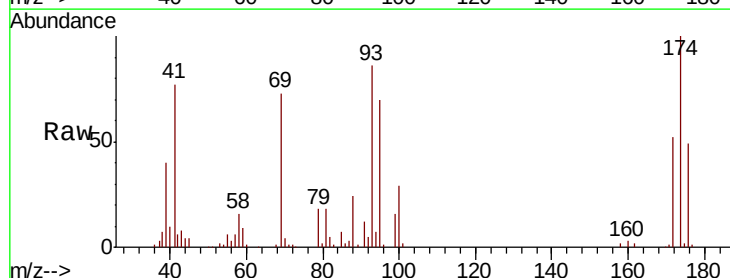
Manual Integrations
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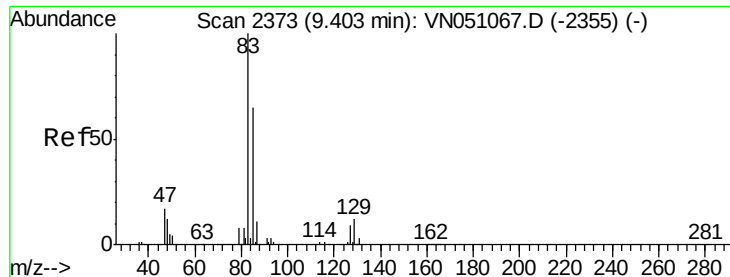
MMDadoda
 9/12/2018 10:06:45 AM



#46
 Dibromomethane
 Concen: 18.66 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion: 93 Resp: 90110
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 117.3 93.3 139.9





#47

Bromodichloromethane

Concen: 19.12 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

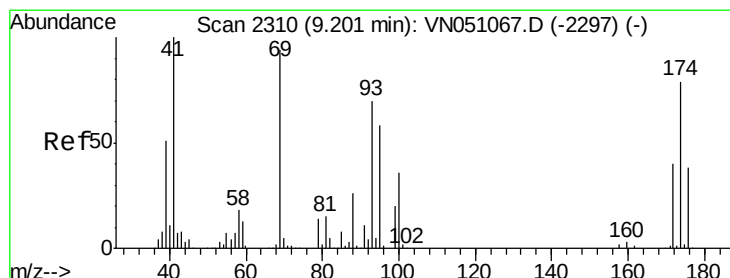
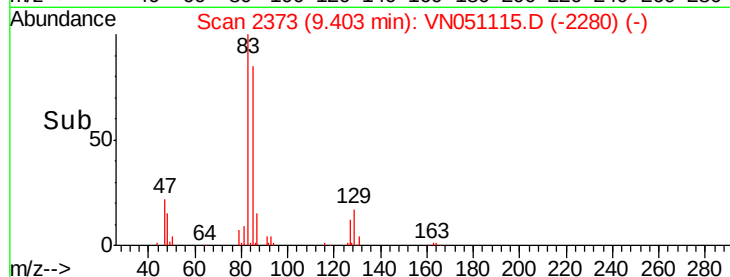
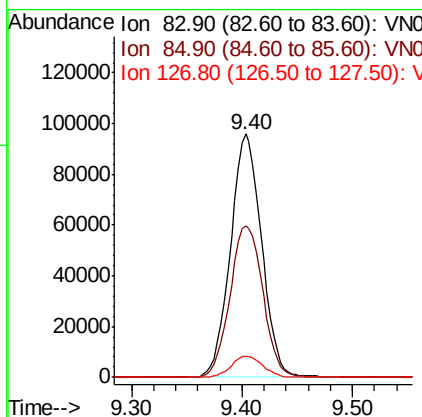
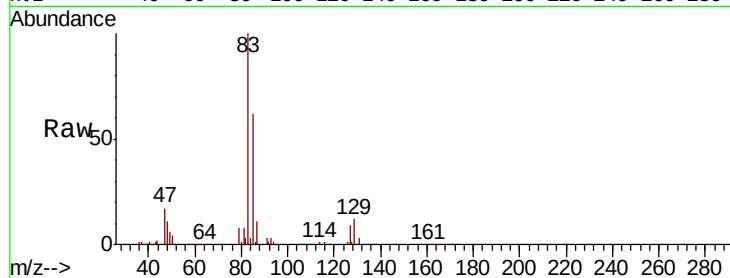
ClientSampleId :

VN0911WBSD01

Tot Ion:	83	Resp:	187779
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.3	78.5
127	8.8	7.5	11.3

Manual Integrations
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9/12/2018 10:06:45 AM



#48

Methyl methacrylate

Concen: 19.65 ug/l

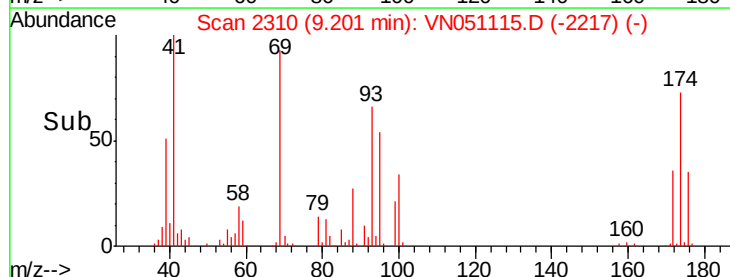
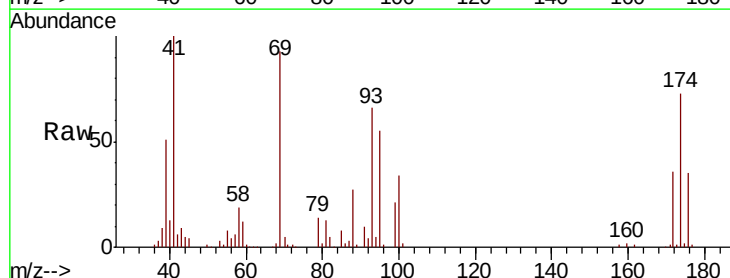
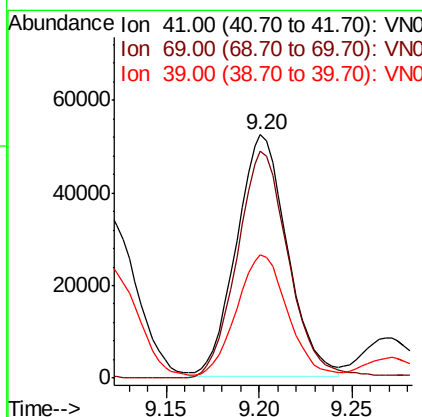
RT: 9.20 min Scan# 2310

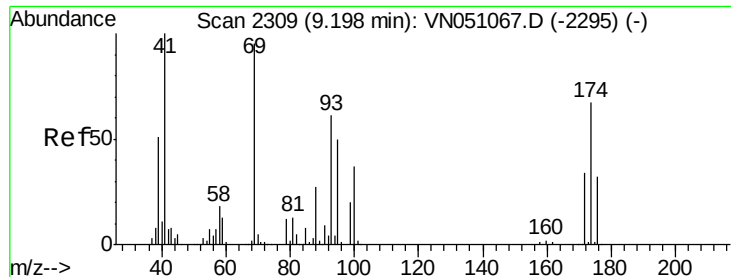
Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion:	41	Resp:	99505
Ion	Ratio	Lower	Upper
41	100		
69	95.5	77.7	116.5
39	50.9	41.6	62.4





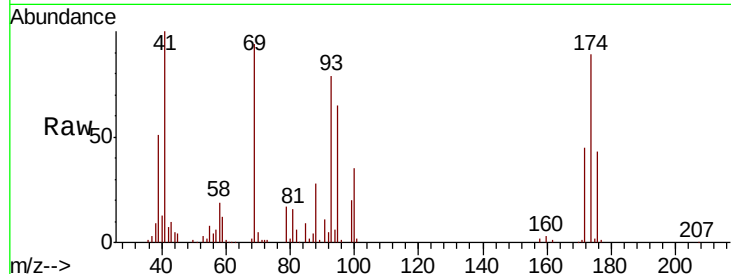
#49
1,4-Dioxane
Concen: 383.51 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	88	Resp	30447
Ion Ratio	100	Lower	Upper
88	100		
43	28.7	23.7	35.5
58	68.6	54.6	82.0

Manual Integrations
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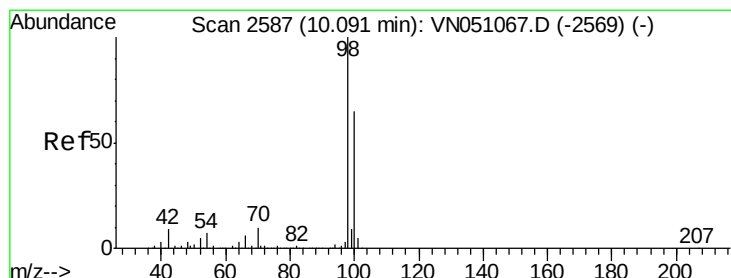
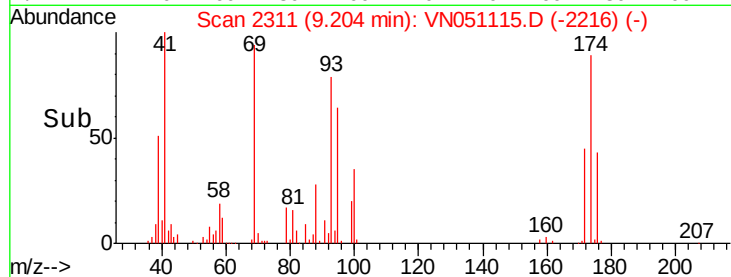
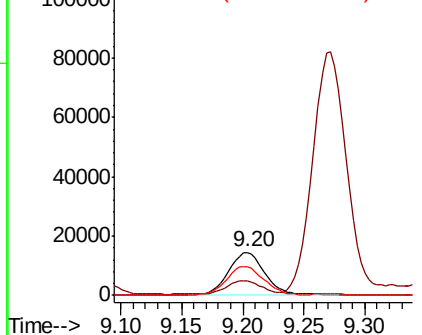


Abundance

Ion 88.00 (87.70 to 88.70): VN0

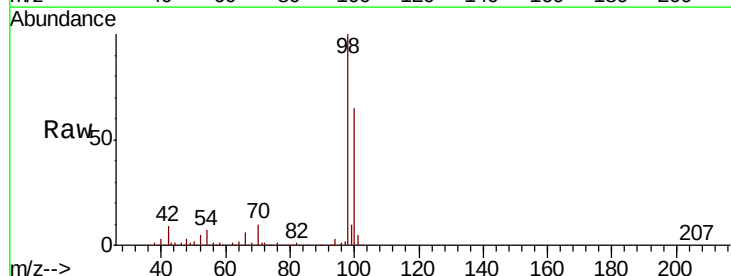
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.71 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

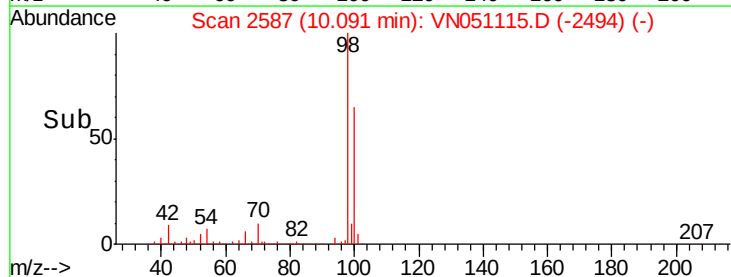
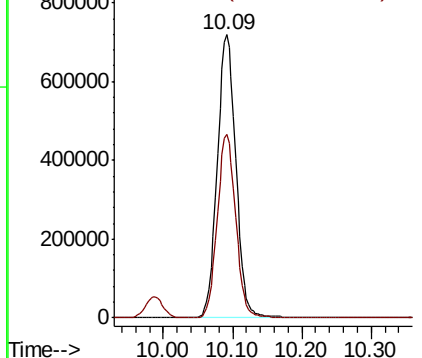
Tgt Ion	98	Resp	1338767
Ion Ratio	100	Lower	Upper
98	100		
100	64.0	52.0	78.0

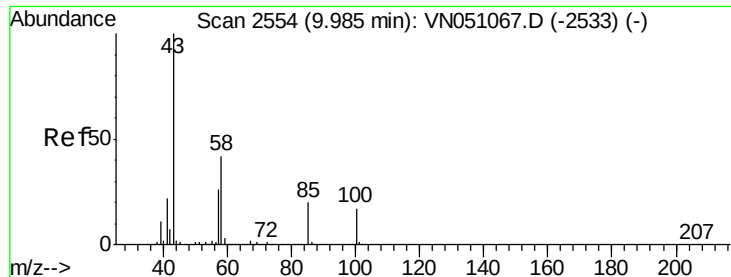


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.96 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

Tot Ion: 43 Resp: 580033

Ion Ratio Lower Upper

43 100

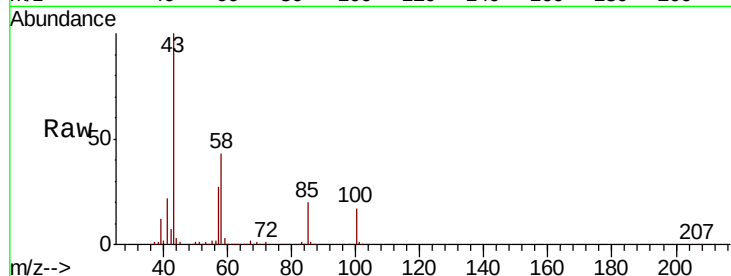
58 42.3 33.5 50.3

Manual Integrations

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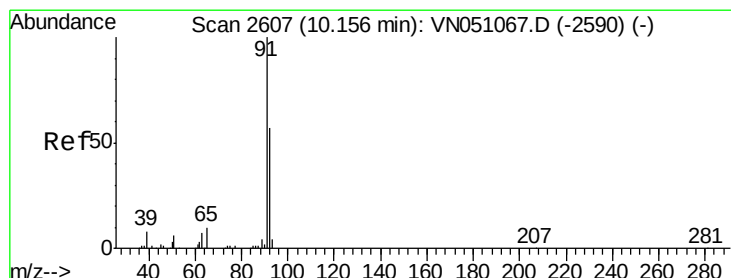
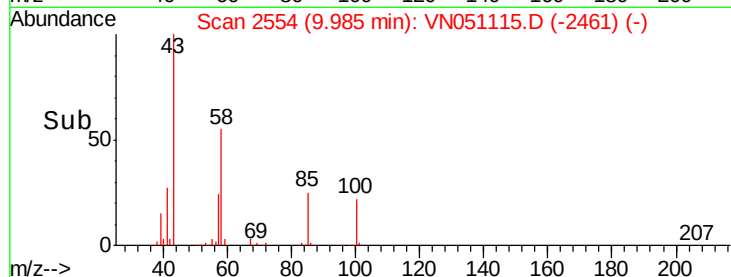
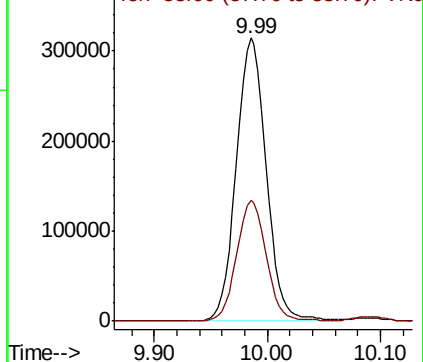
MMDadoda

9/12/2018 10:06:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.46 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051115.D

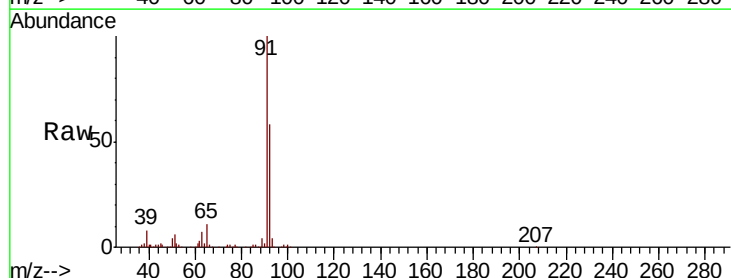
Acq: 11 Sep 2018 10:16

Tgt Ion: 92 Resp: 363573

Ion Ratio Lower Upper

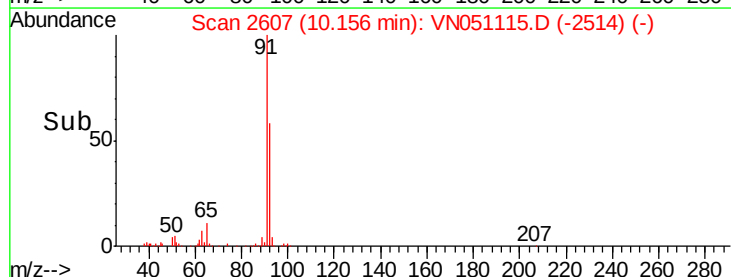
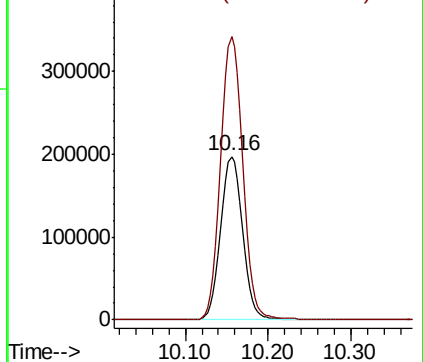
92 100

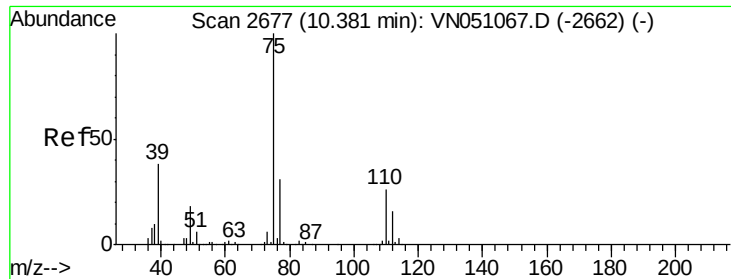
91 174.8 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.67 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

Tot Ion: 75 Resp: 183466

Ion Ratio Lower Upper

75 100

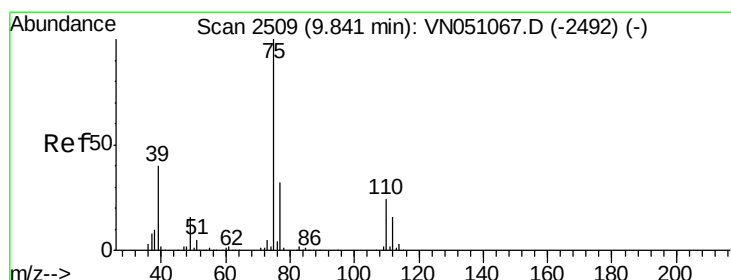
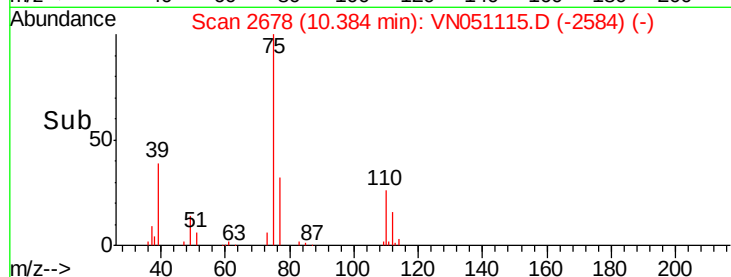
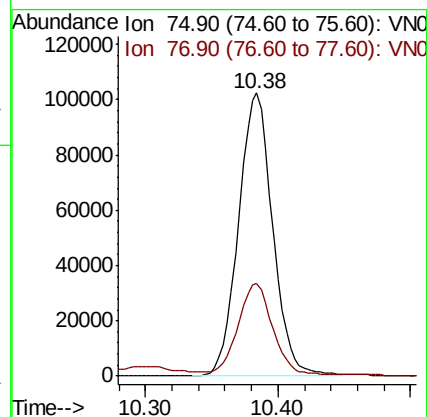
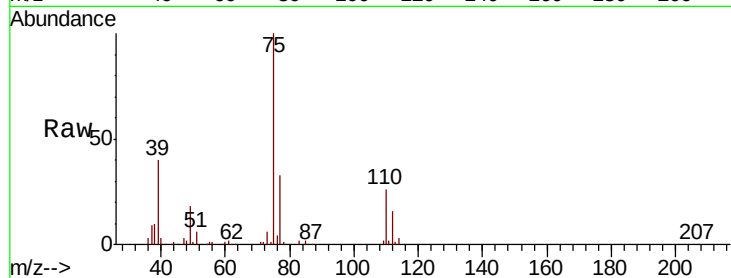
77 32.1 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

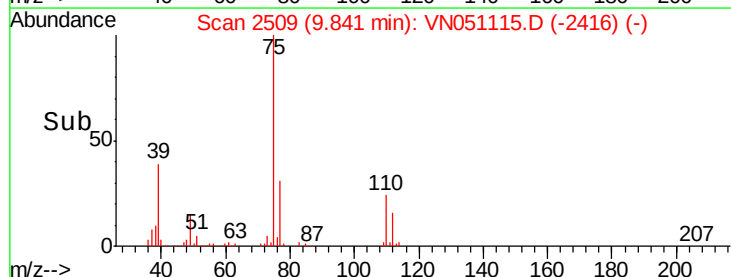
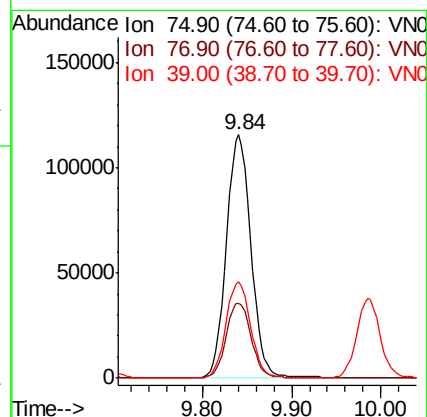
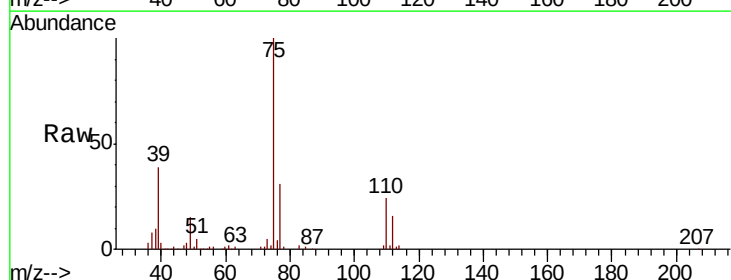
Tgt Ion: 75 Resp: 221402

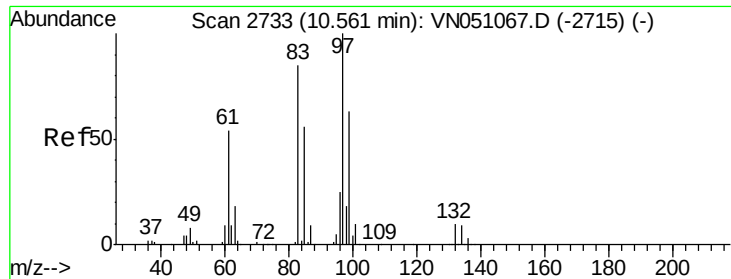
Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5

39 39.4 31.9 47.9





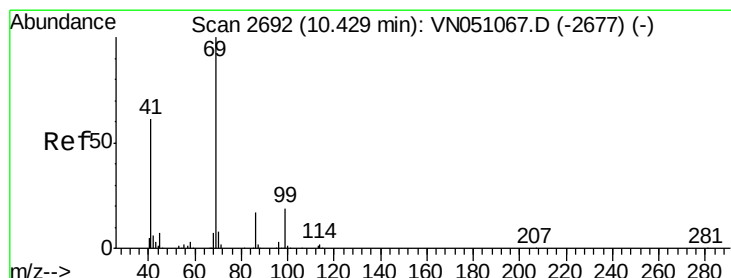
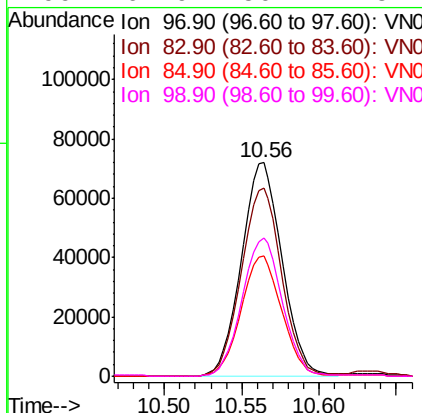
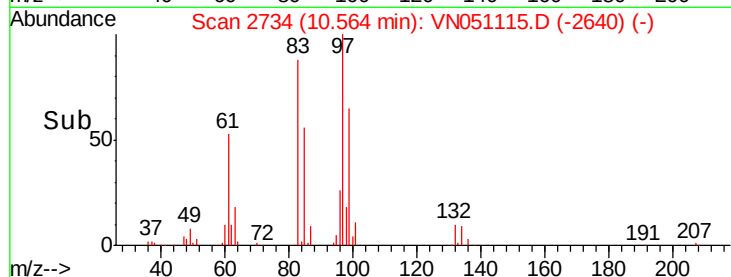
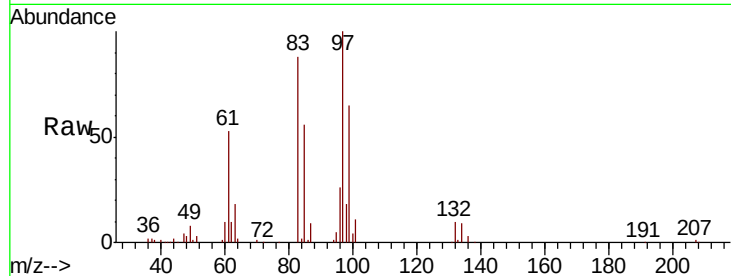
#55
 1,1,2-Trichloroethane
 Concen: 19.41 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion:	97	Resp:	131728
Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.2	102.2
85	56.1	44.8	67.2
99	64.9	50.2	75.4

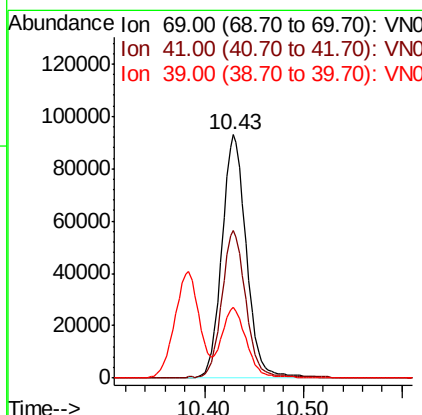
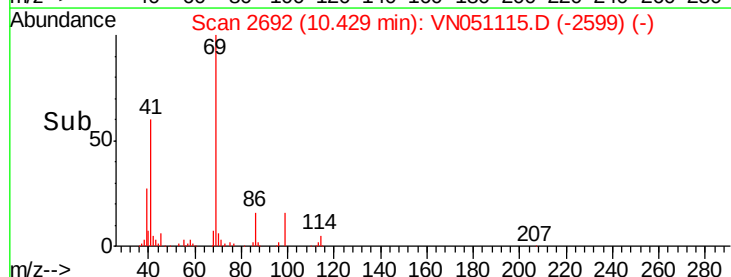
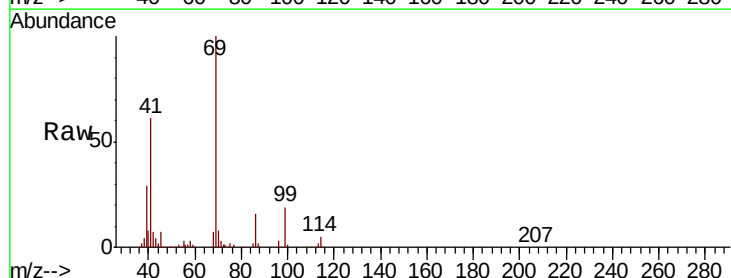
Manual Integrations
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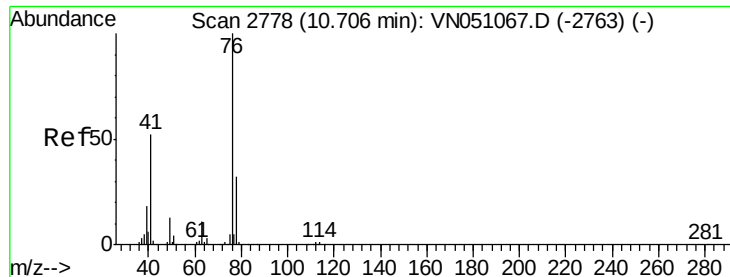
MMDadoda
 9/12/2018 10:06:45 AM



#56
 Ethyl methacrylate
 Concen: 19.35 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion:	69	Resp:	161764
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.8	71.8
39	29.6	23.0	34.4





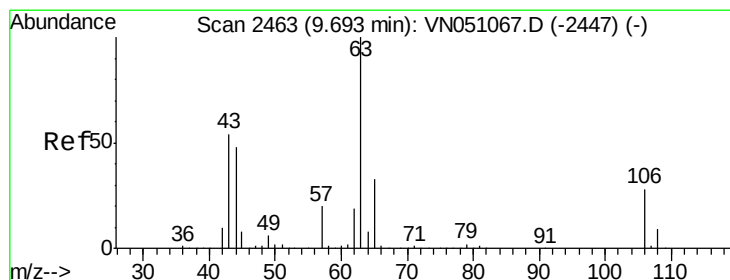
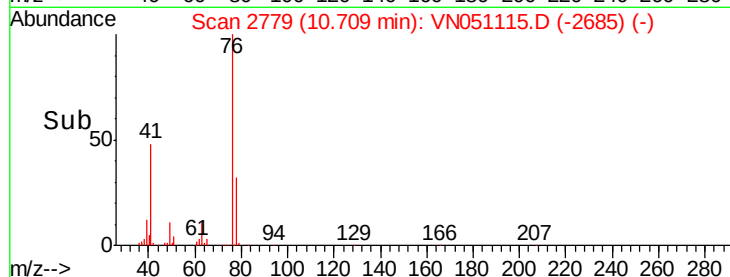
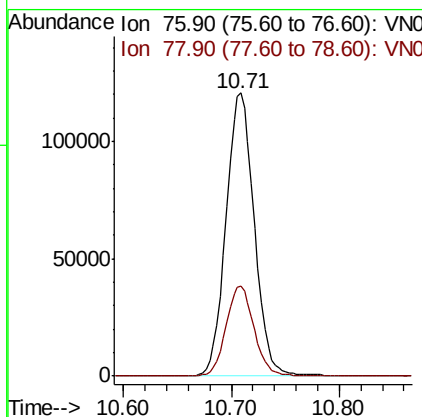
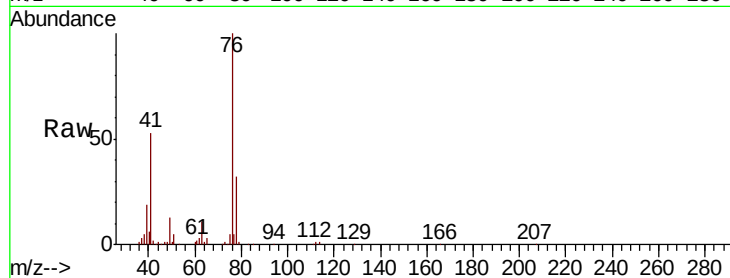
#57
 1,3-Dichloropropane
 Concen: 19.58 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.1	39.1

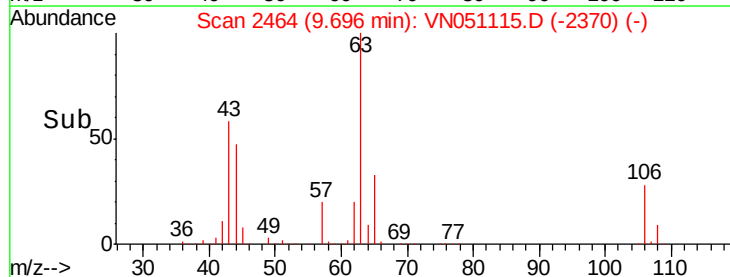
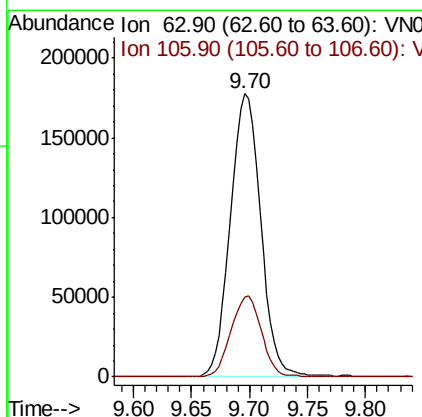
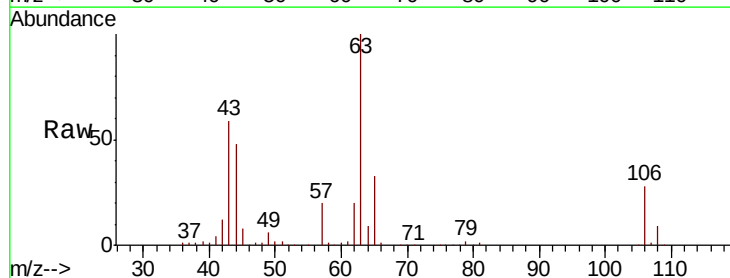
Manual Integrations
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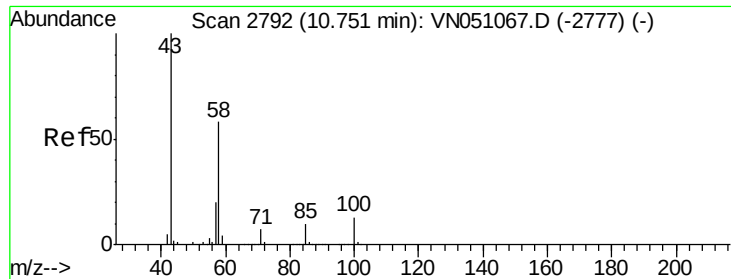
MMDadoda
 9/12/2018 10:06:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.48 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.5	33.7





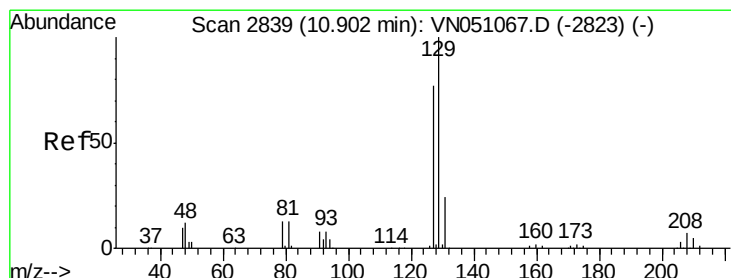
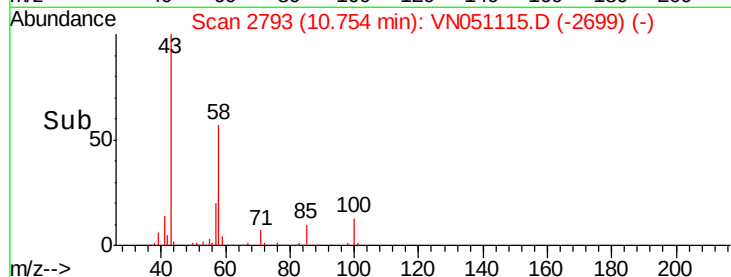
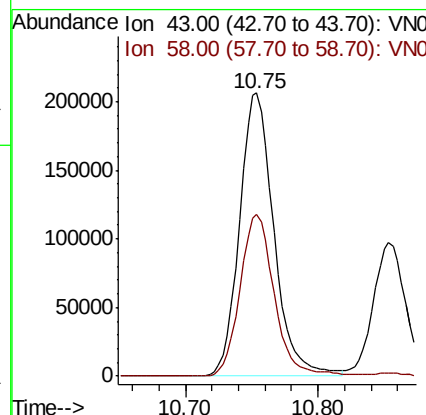
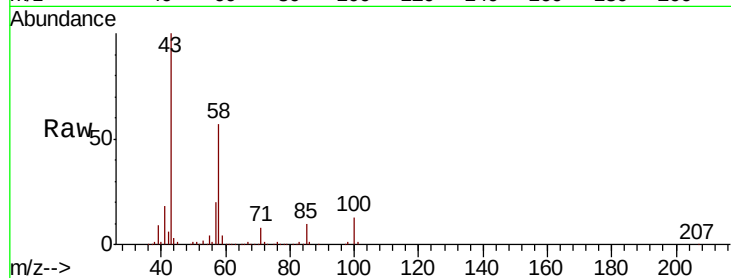
#59
2-Hexanone
Concen: 94.86 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion: 43 Resp: 369584
Ion Ratio Lower Upper
43 100
58 57.3 29.3 88.0

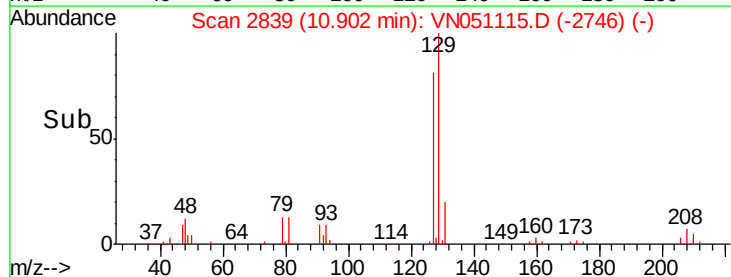
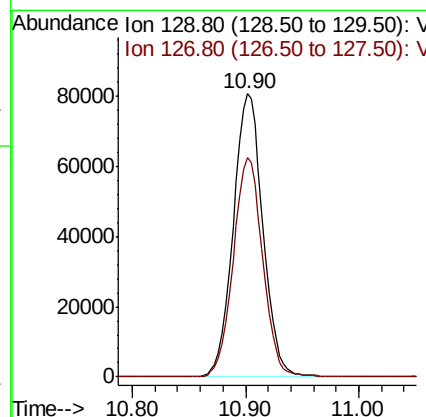
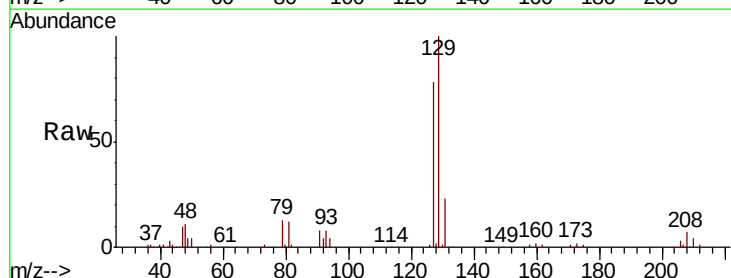
Manual Integrations
APPROVED

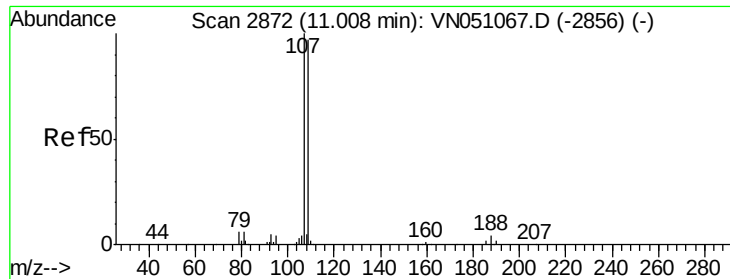
MMDadoda
9/12/2018 10:06:45 AM



#60
Dibromochloromethane
Concen: 19.20 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion: 129 Resp: 146830
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





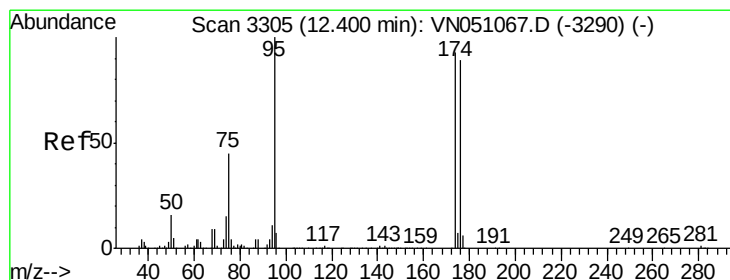
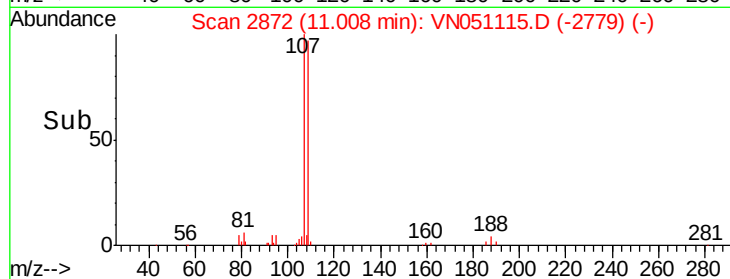
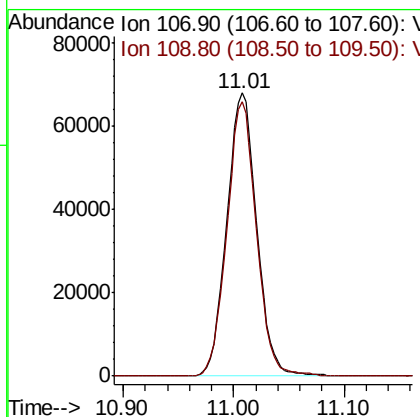
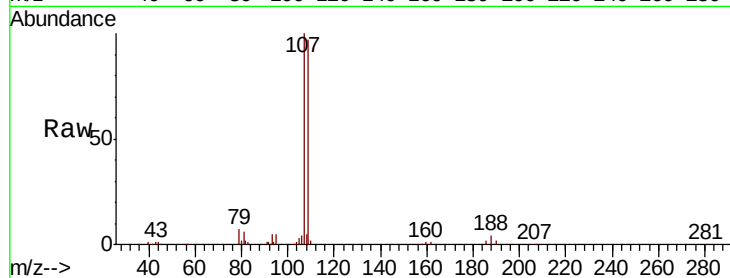
#61
 1,2-Dibromoethane
 Concen: 19.28 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.0	114.0

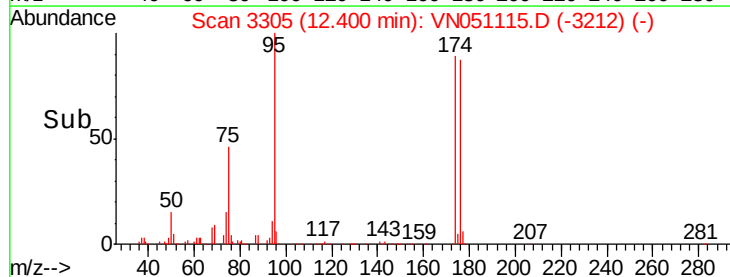
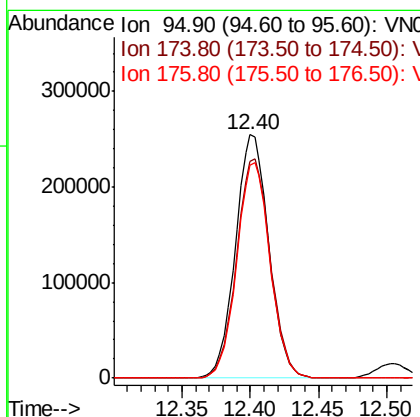
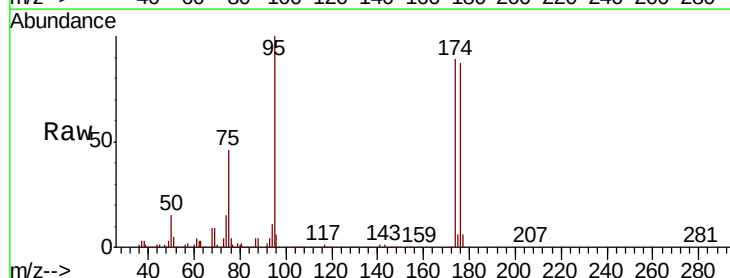
Manual Integrations
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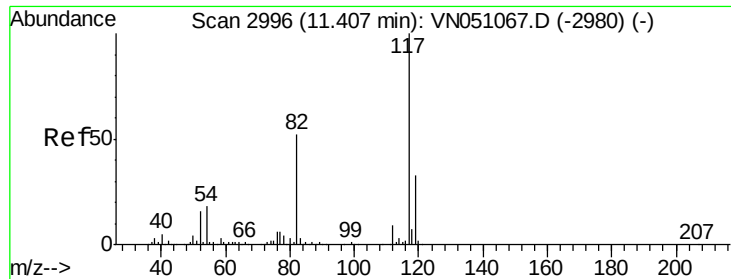
MMDadoda
 9/12/2018 10:06:45 AM



#62
 4-Bromofluorobenzene
 Concen: 49.39 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	184.8
176	88.5	0.0	178.6





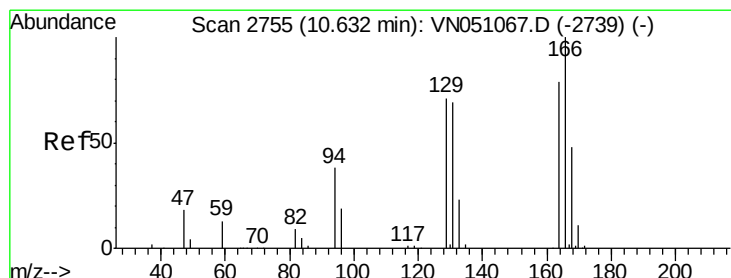
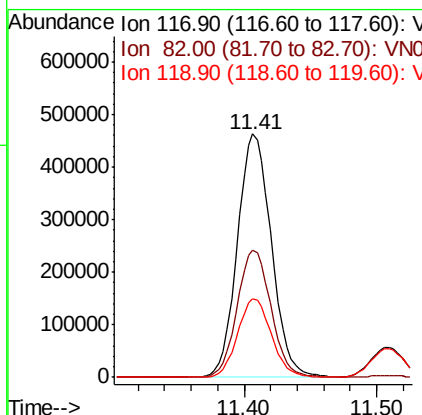
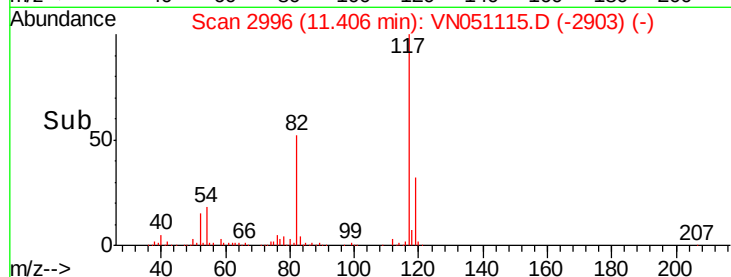
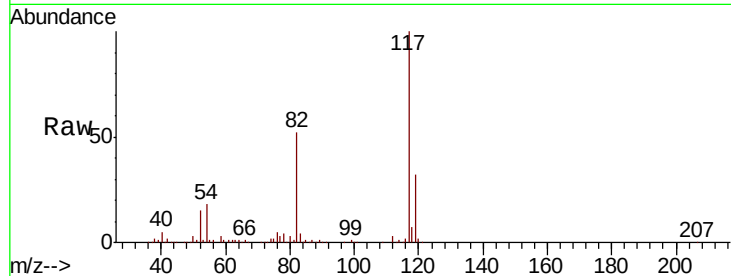
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.8	62.6
119	32.3	26.2	39.2

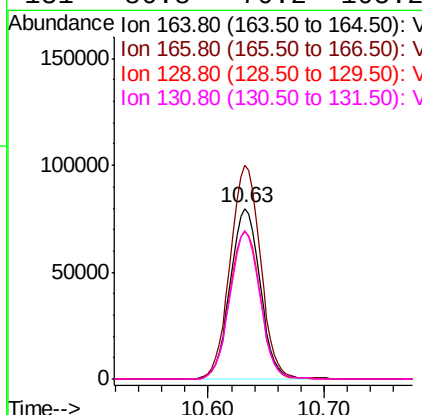
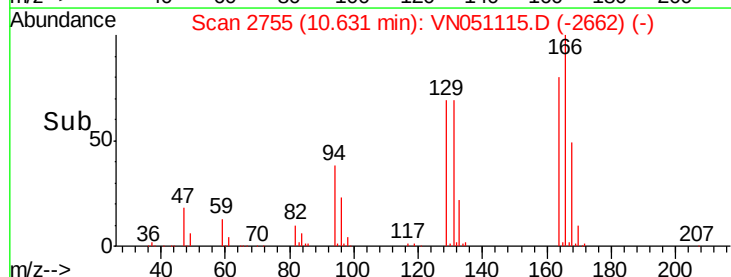
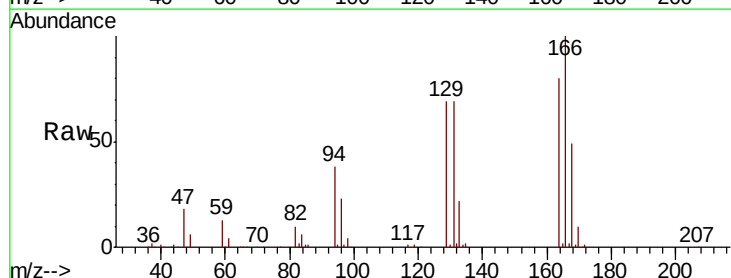
Manual Integrations
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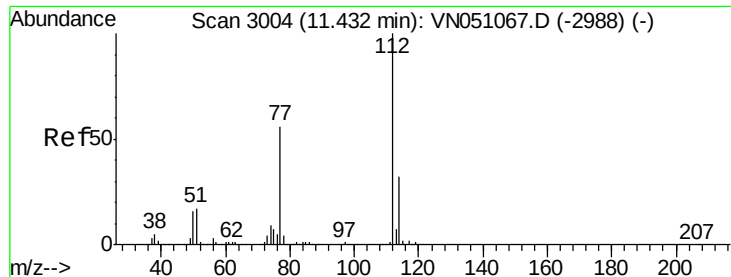
MMDadoda
9/12/2018 10:06:45 AM



#64
Tetrachloroethene
Concen: 19.00 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.3	151.9
129	86.1	72.2	108.2
131	86.8	70.2	105.2





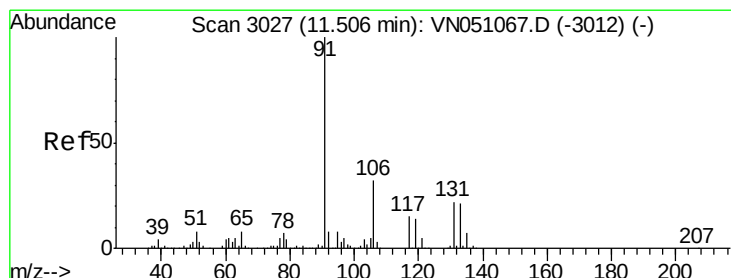
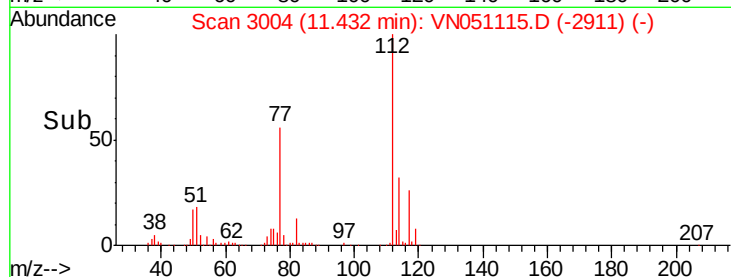
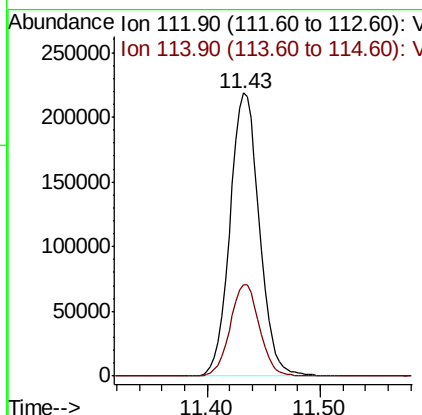
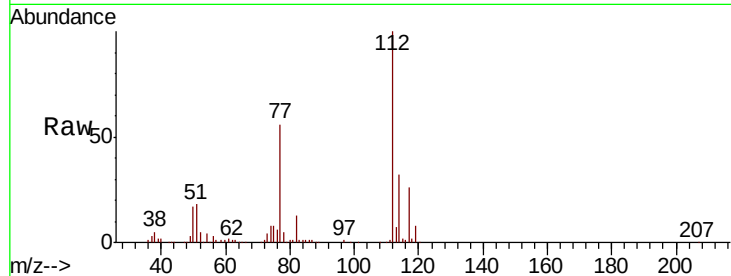
#65
Chlorobenzene
Concen: 19.03 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

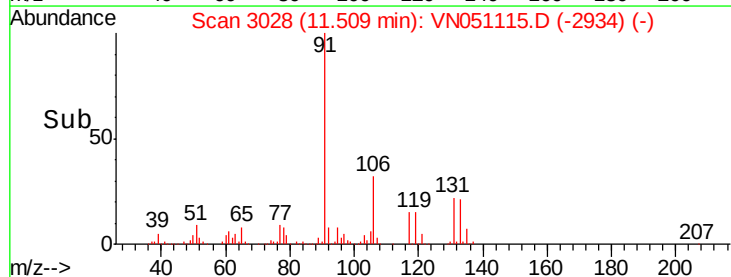
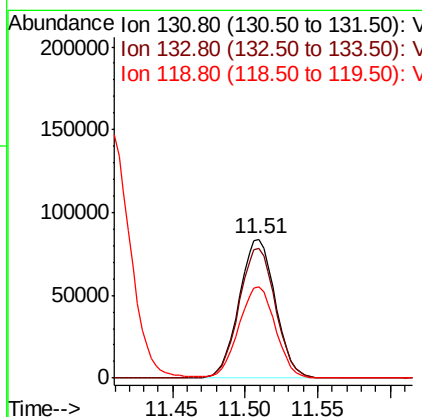
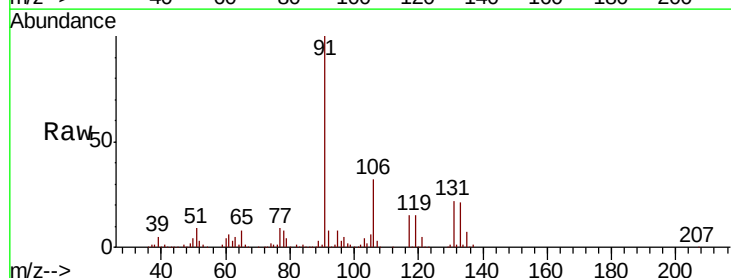
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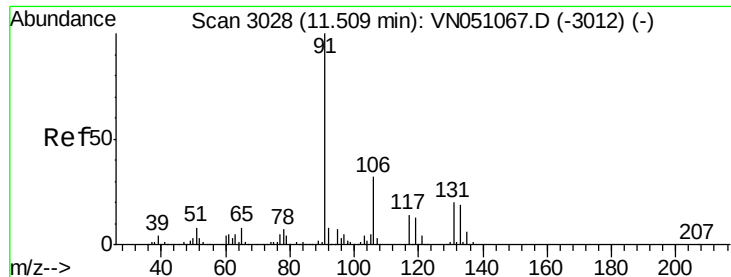
MMDadoda
9/12/2018 10:06:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.52 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.5	142.6
119	66.1	33.2	99.6





#67

Ethyl Benzene

Concen: 19.09 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

Tot Ion: 91 Resp: 642656

Ion Ratio Lower Upper

91 100

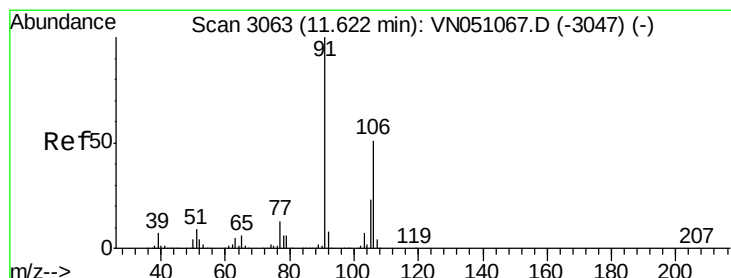
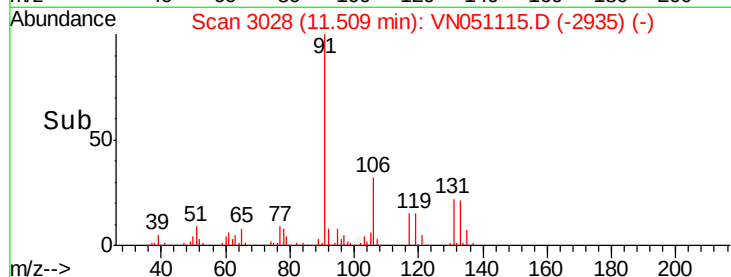
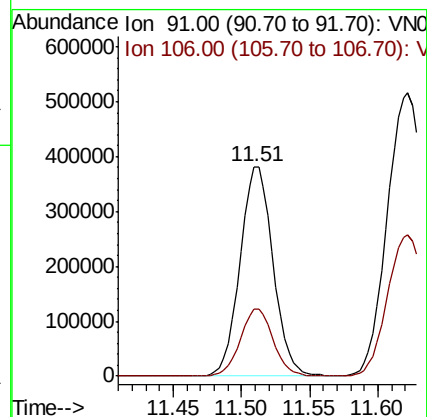
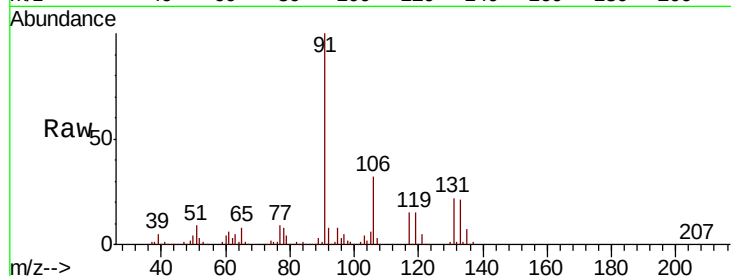
106 31.7 25.4 38.2

Manual Integrations

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MMDadoda

9/12/2018 10:06:45 AM



#68

m/p-Xylenes

Concen: 39.20 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051115.D

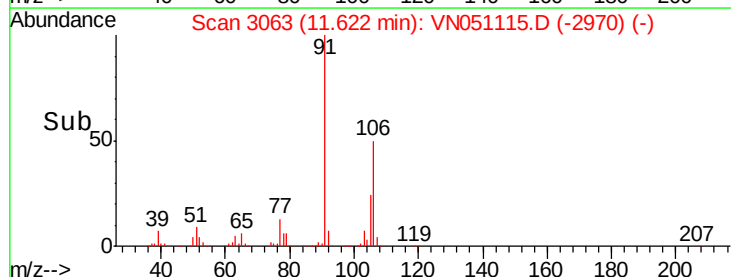
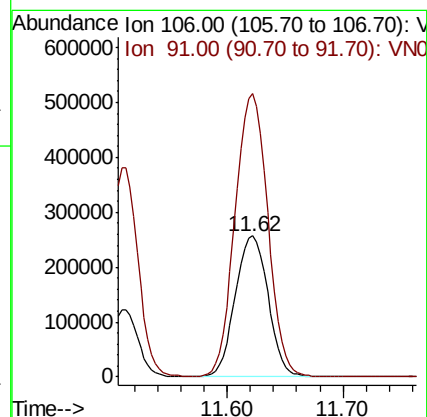
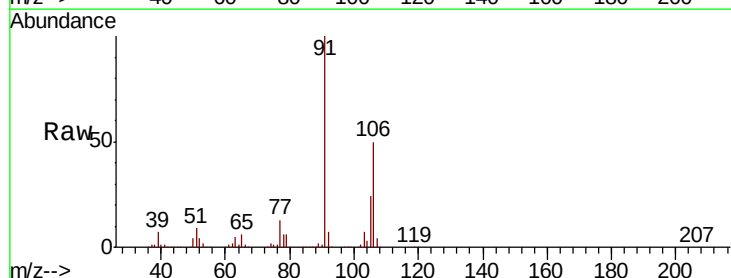
Acq: 11 Sep 2018 10:16

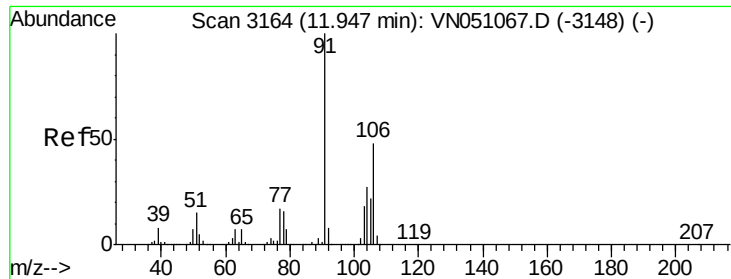
Tgt Ion: 106 Resp: 507124

Ion Ratio Lower Upper

106 100

91 200.3 159.8 239.6





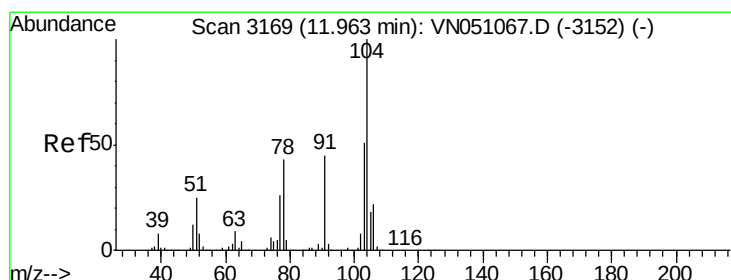
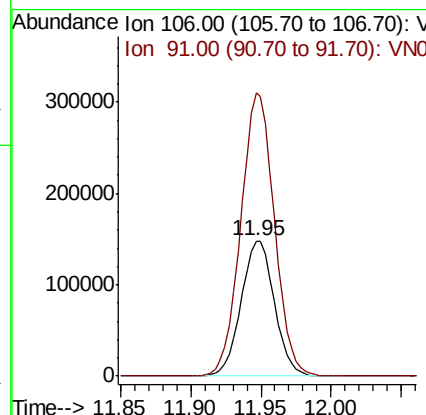
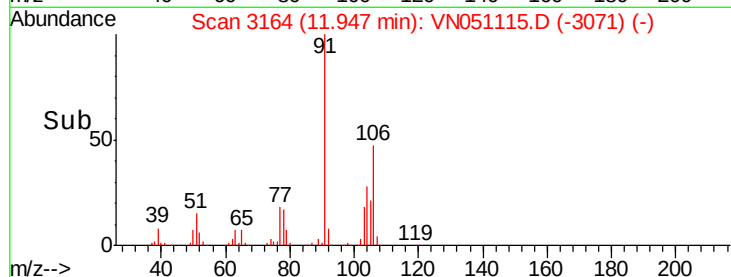
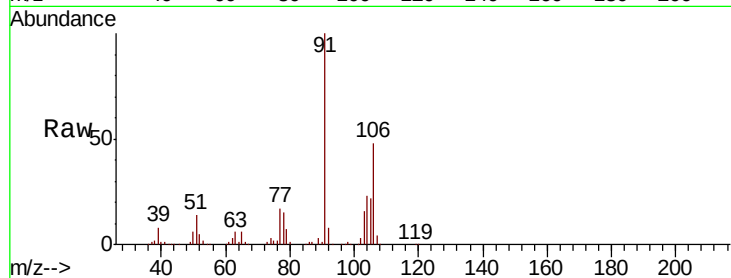
#69
o-Xylene
Concen: 19.55 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.1	315.1

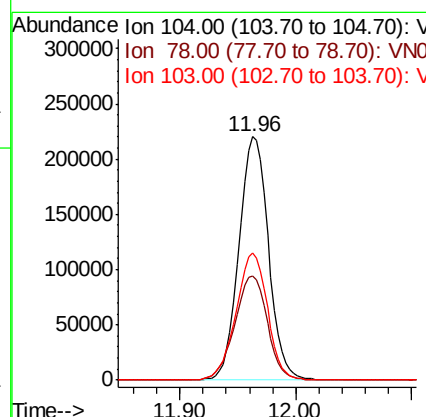
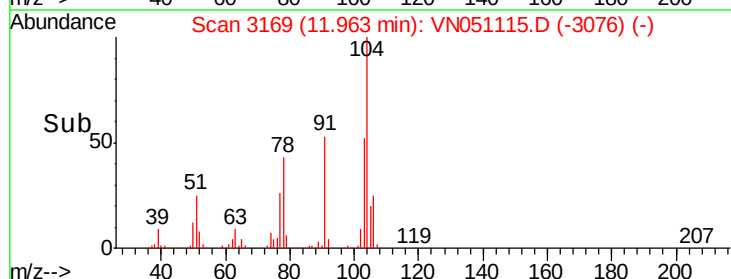
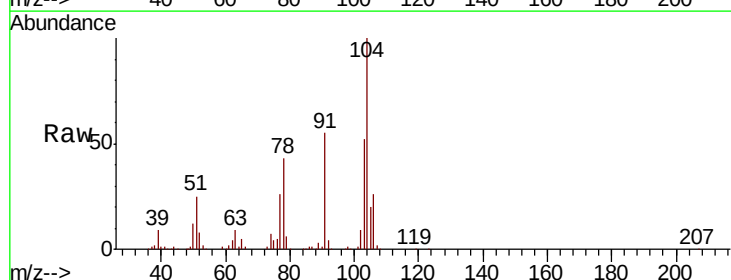
Manual Integrations
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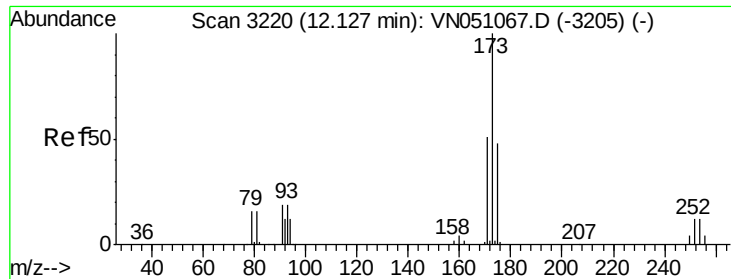
MMDadoda
9/12/2018 10:06:45 AM



#70
Styrene
Concen: 19.98 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.7	56.5
103	55.7	44.6	67.0





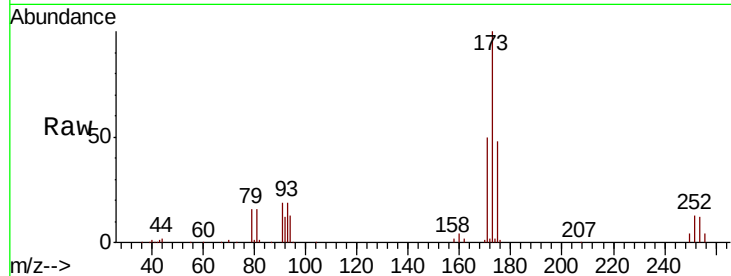
#71
Bromoform
Concen: 19.42 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
9/12/2018 10:06:45 AM

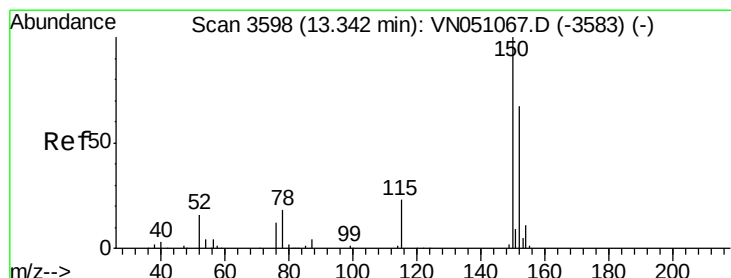
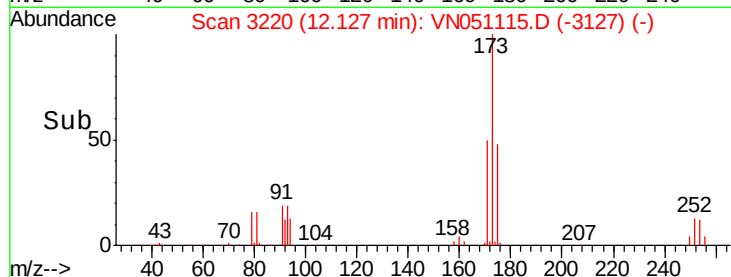
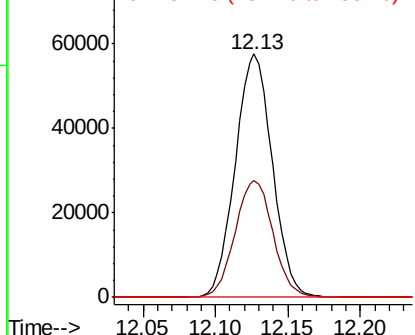


Abundance

Ion 172.70 (172.40 to 173.40): V

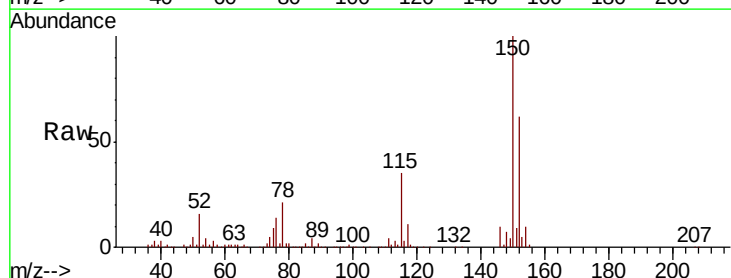
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	164.5	0.0	349.0

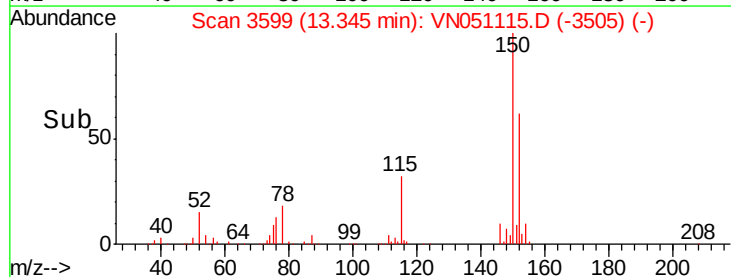
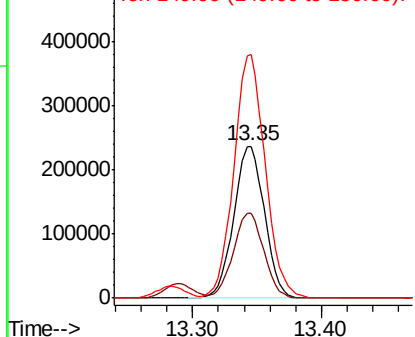


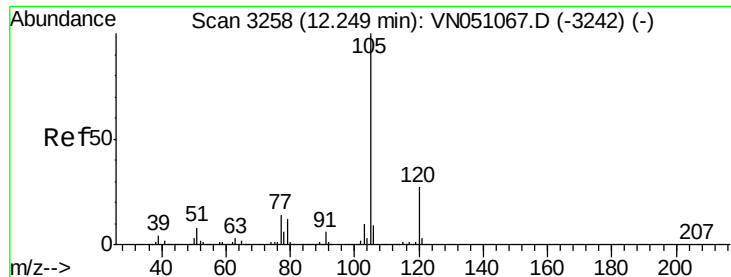
Abundance

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: 19.74 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion:105 Resp: 644697

Ion Ratio Lower Upper

105 100

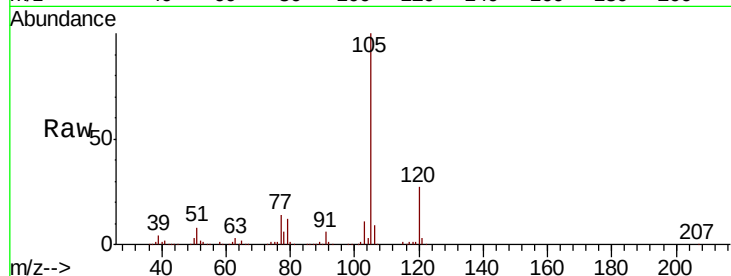
120 26.9 13.6 40.7

Manual Integrations

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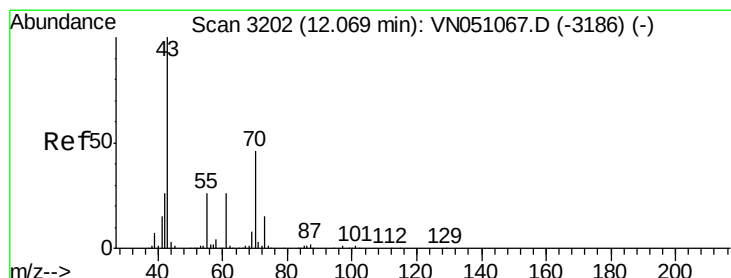
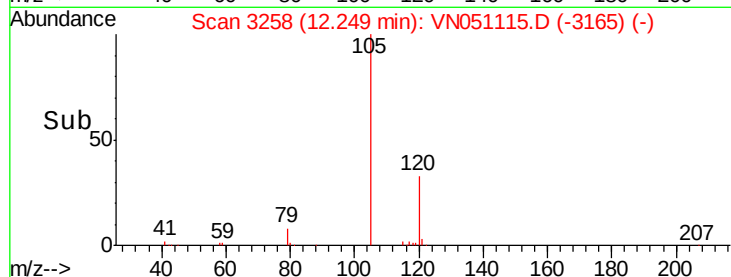
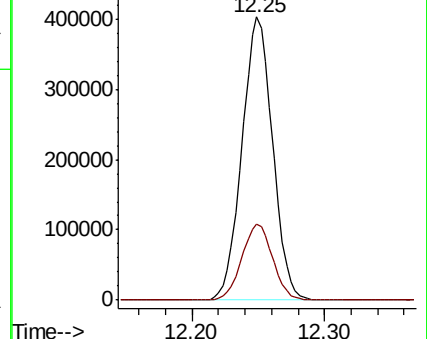
MMDadoda

9/12/2018 10:06:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.79 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion: 43 Resp: 154400

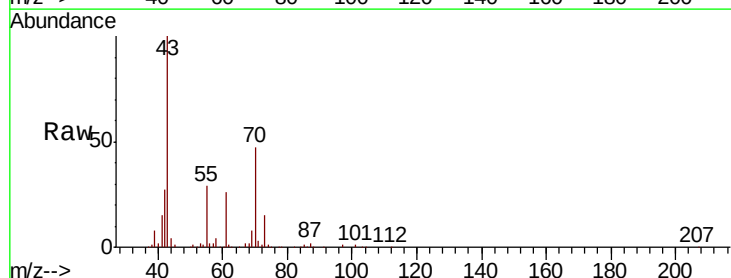
Ion Ratio Lower Upper

43 100

70 47.5 37.0 55.4

55 28.8 21.3 31.9

61 26.4 20.7 31.1

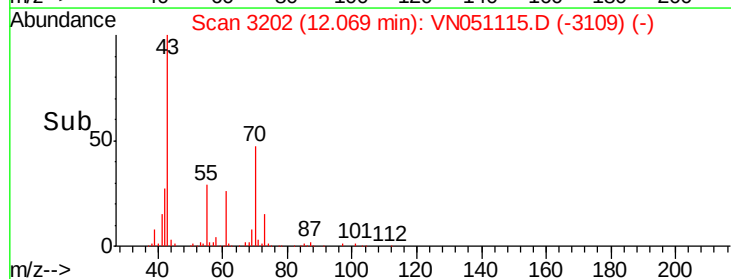
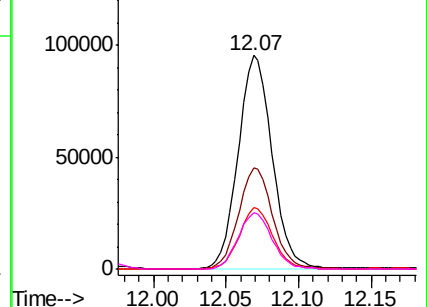


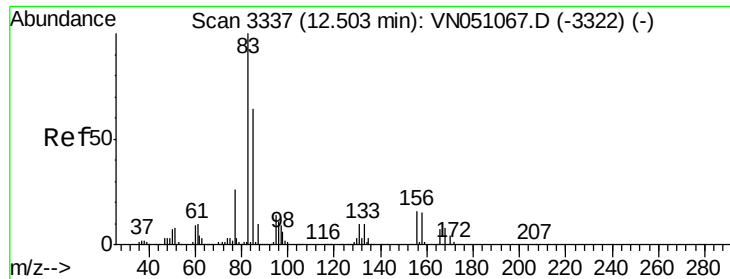
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.14 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

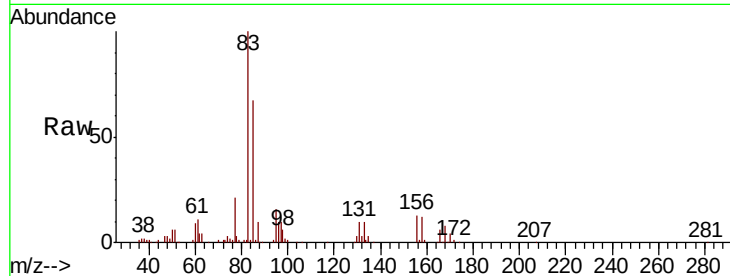
ClientSampled :

VN0911WBSD01

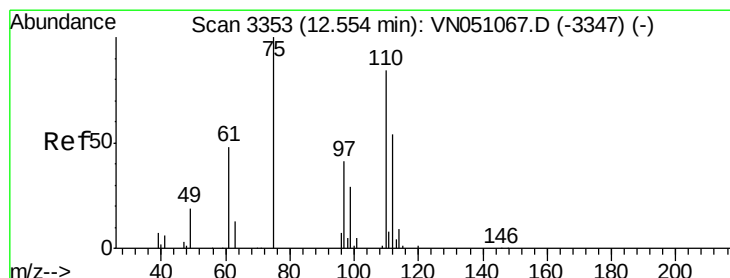
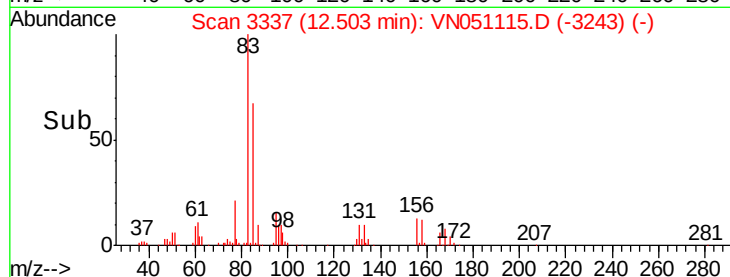
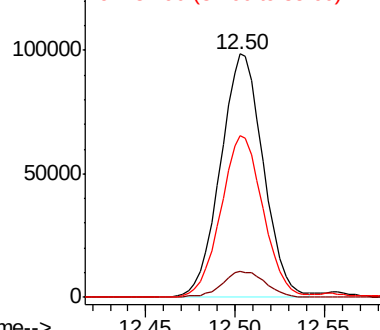
Tot Ion:	83	Resp:	165257
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	65.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 22.49 ug/l m

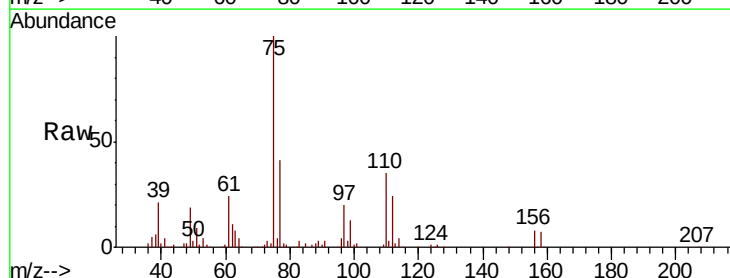
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

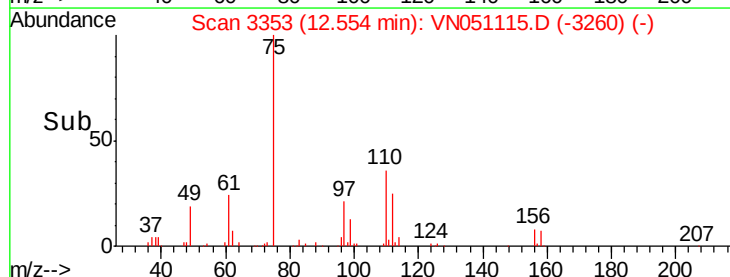
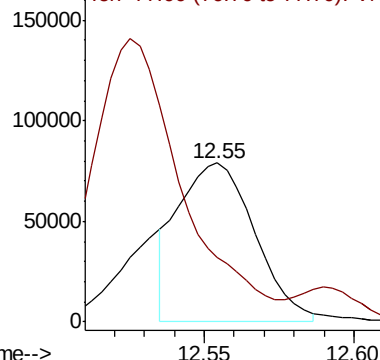
Lab File: VN051115.D

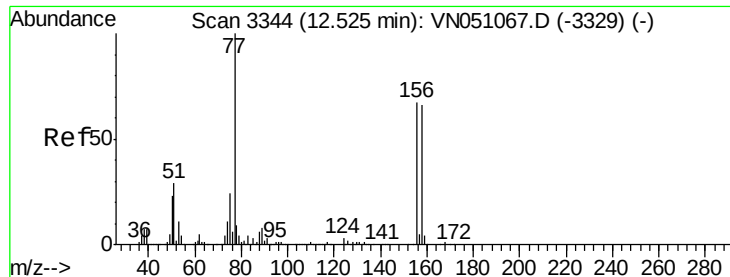
Acq: 11 Sep 2018 10:16

Tgt Ion:	75	Resp:	140750
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3347) (-)





#77

Bromobenzene

Concen: 19.06 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

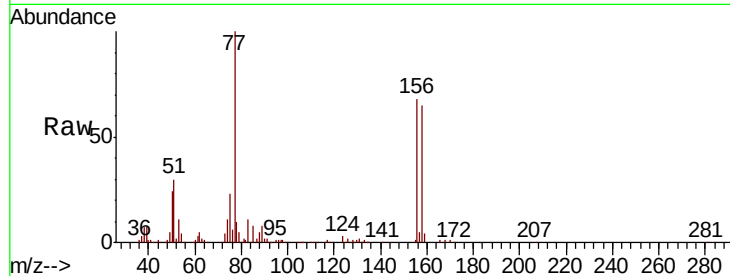
ClientSampleId :

VN0911WBSD01

Tot Ion:	156	Resp:	167161
Ion Ratio	Lower	Upper	
156	100		
77	176.5	87.5	262.6
158	96.4	49.0	147.2

Manual Integrations
APPROVED

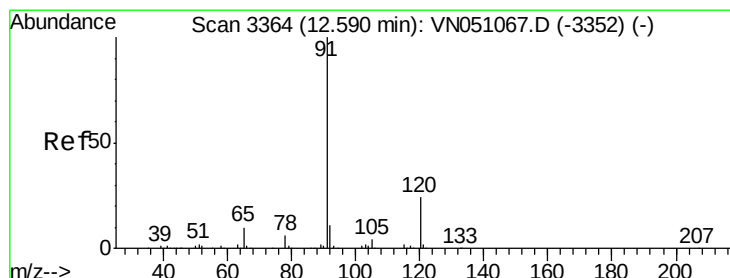
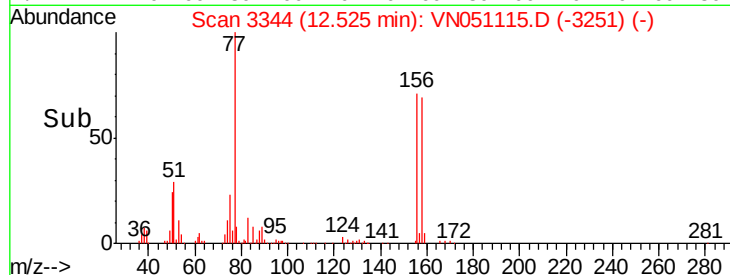
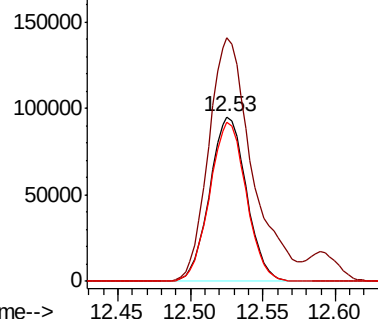
MMDadoda
9/12/2018 10:06:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.42 ug/l

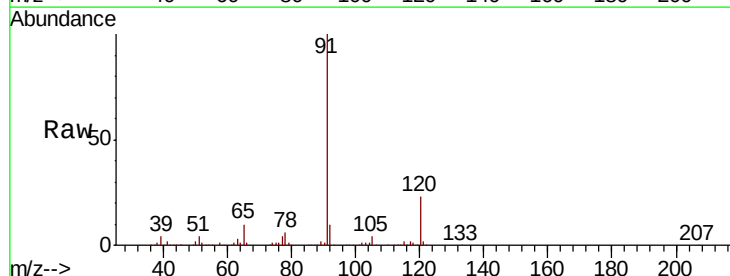
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051115.D

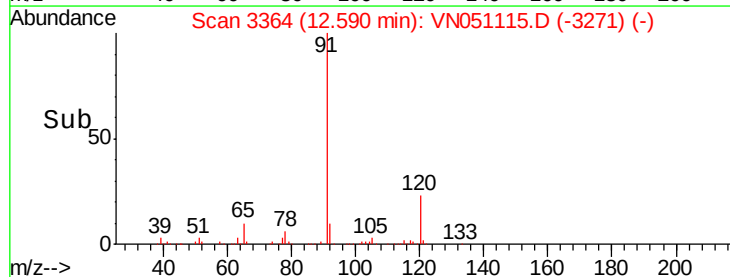
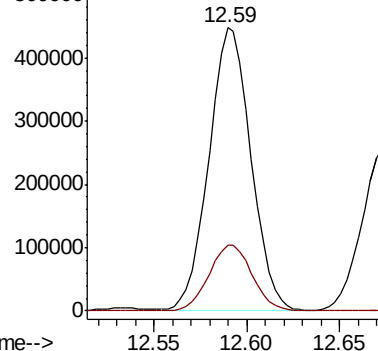
Acq: 11 Sep 2018 10:16

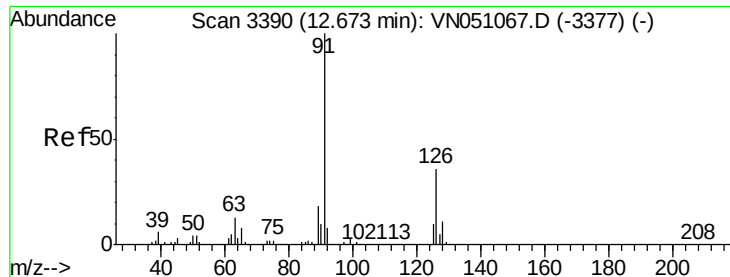
Tgt Ion:	91	Resp:	697140
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.42 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

Tot Ion: 91 Resp: 435625

Ion Ratio Lower Upper

91 100

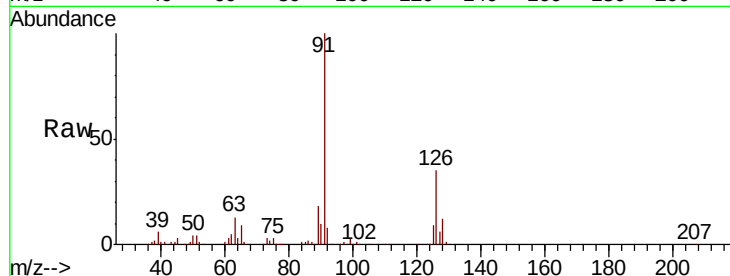
126 35.6 17.9 53.7

Manual Integrations

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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN051067.D (-3377) (-)

400000

300000

200000

100000

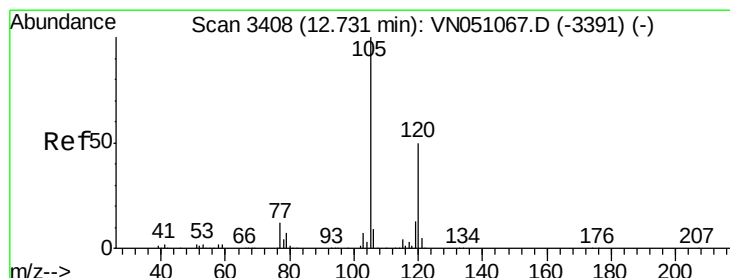
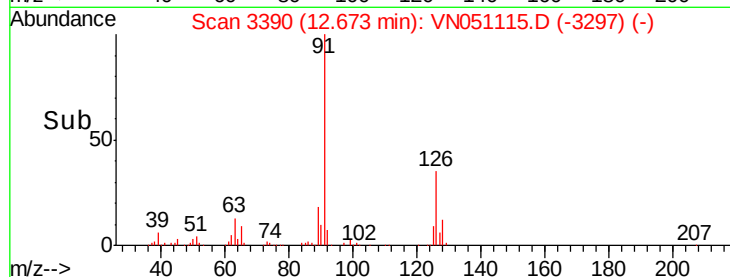
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051115.D

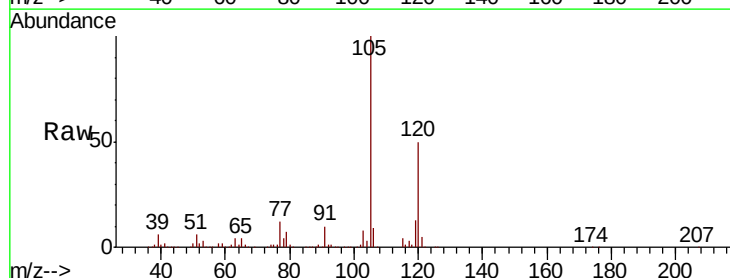
Acq: 11 Sep 2018 10:16

Tgt Ion: 105 Resp: 525580

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051067.D (-3391) (-)

300000

200000

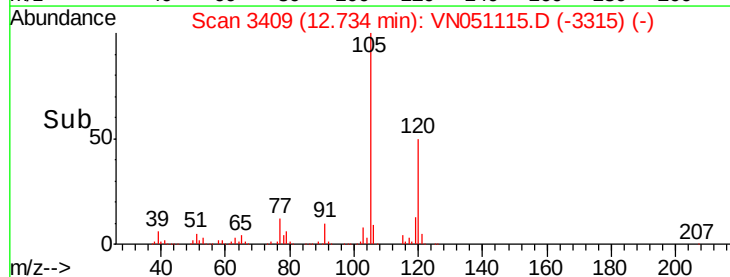
100000

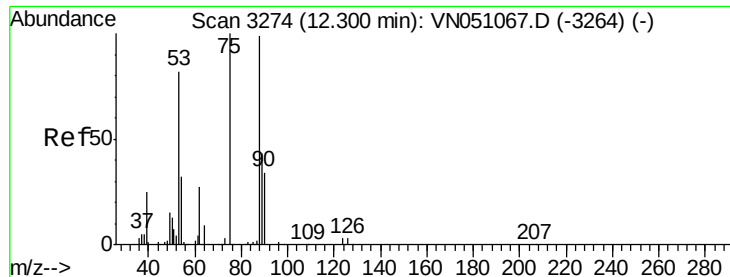
0

12.70

12.80

Time-->





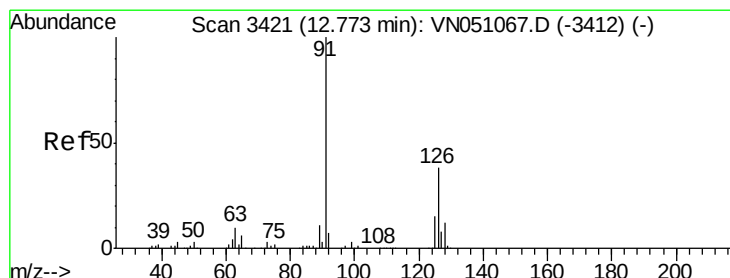
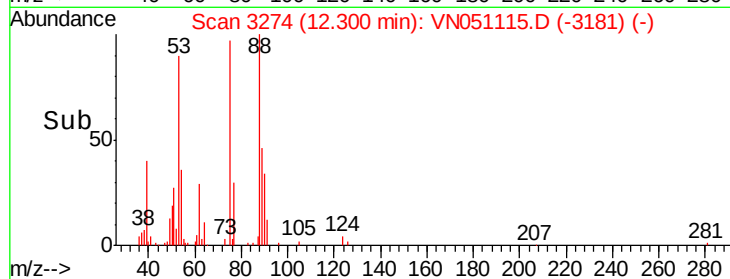
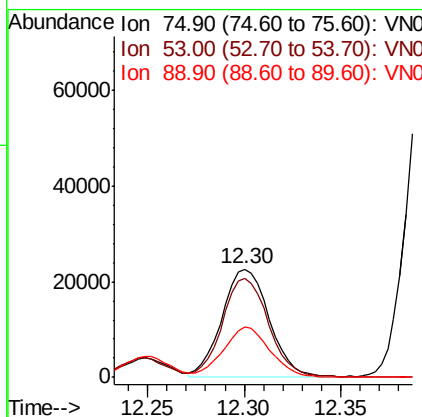
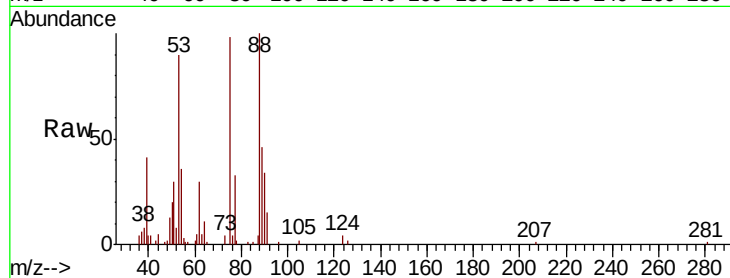
#81
trans-1,4-Dichloro-2-butene
Concen: 18.85 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.5	67.8	101.8
89	46.1	36.0	54.0

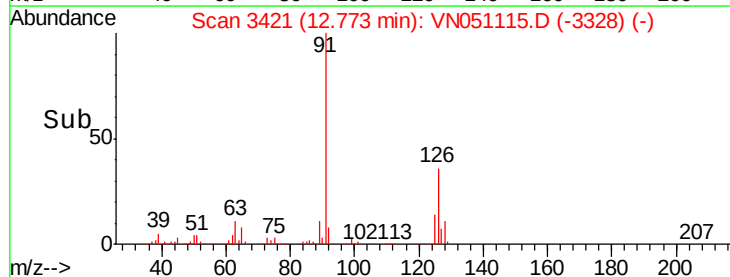
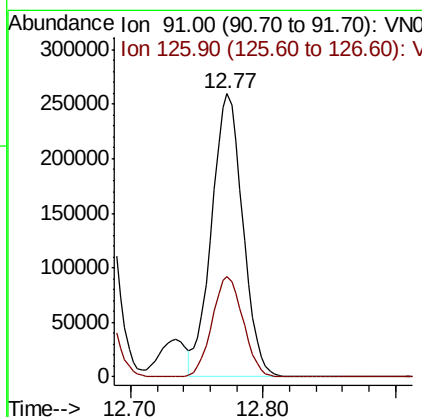
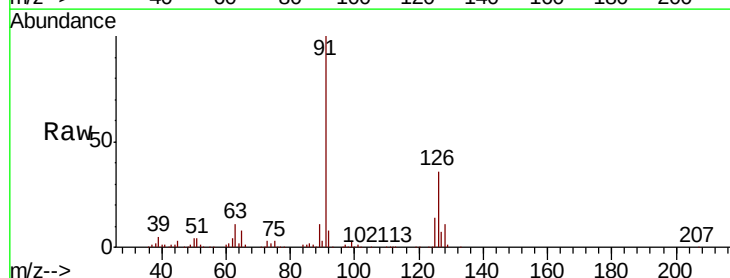
Manual Integrations
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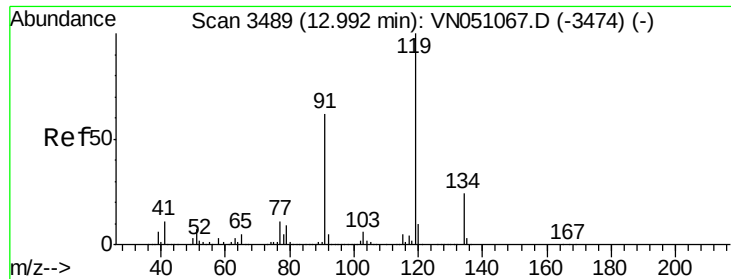
MMDadoda
9/12/2018 10:06:45 AM



#82
4-Chlorotoluene
Concen: 19.02 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051115.D
Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8





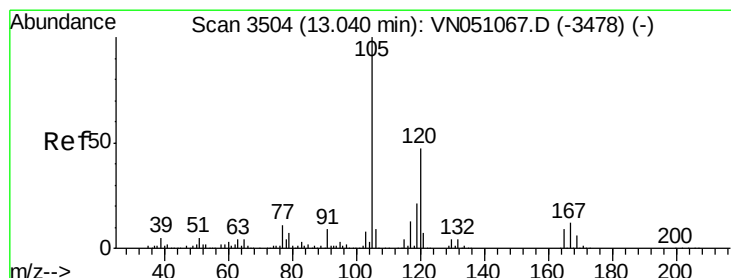
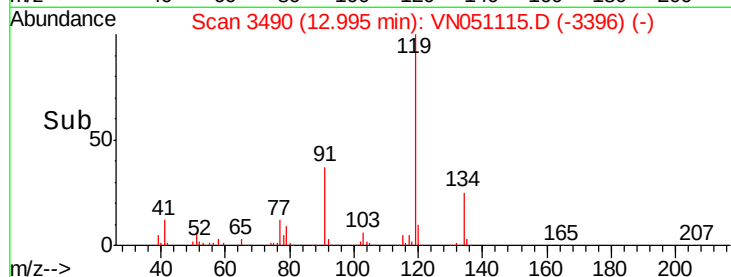
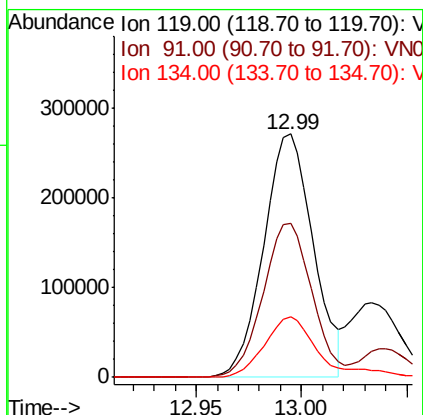
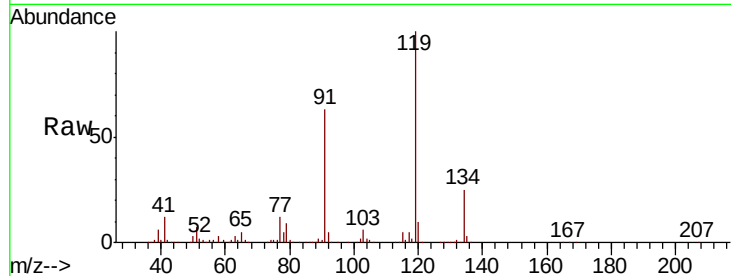
#83
 tert-Butylbenzene
 Concen: 19.09 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	445054		
91	62.6	30.8	92.3	
134	27.2	13.2	39.6	

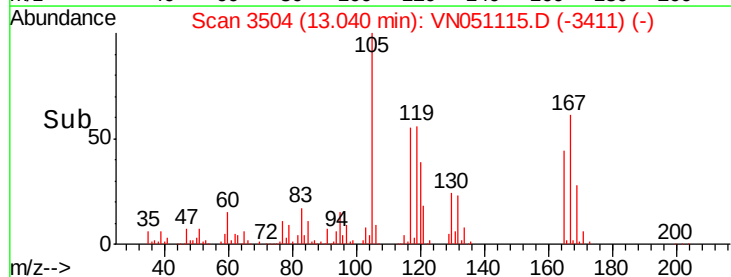
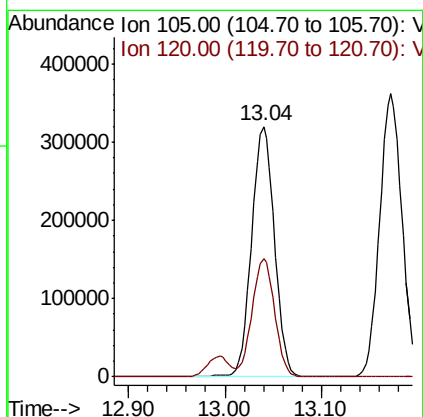
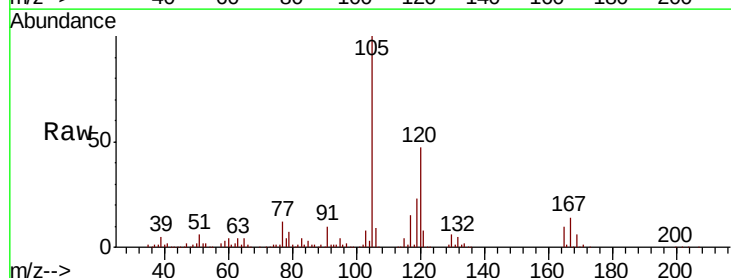
Manual Integrations
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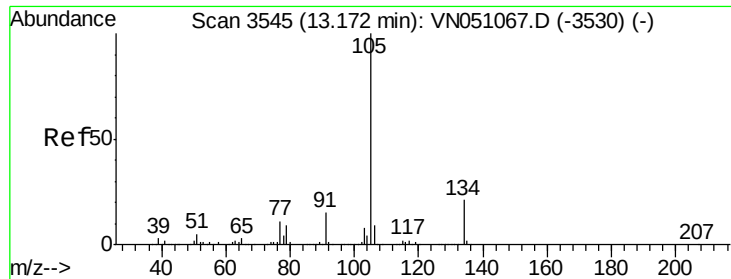
MMDadoda
 9/12/2018 10:06:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.25 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	525625		
120	46.7	23.3	69.8	





#85

sec-Butylbenzene

Concen: 19.40 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tot Ion:105 Resp: 579865

Ion Ratio Lower Upper

105 100

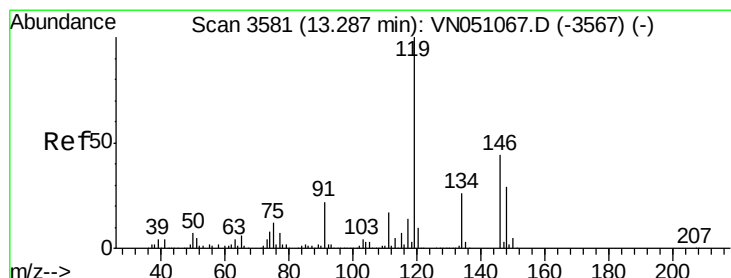
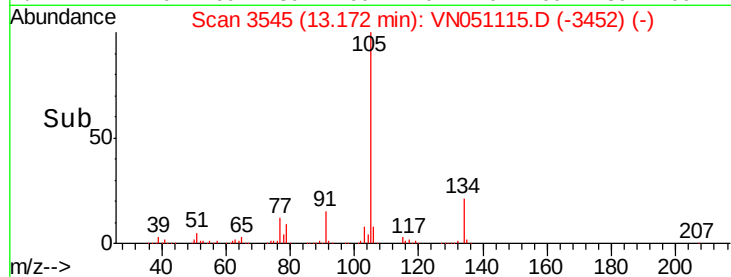
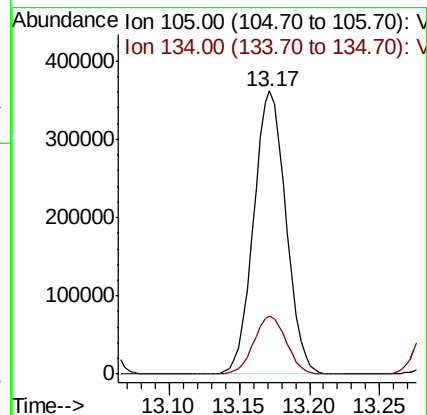
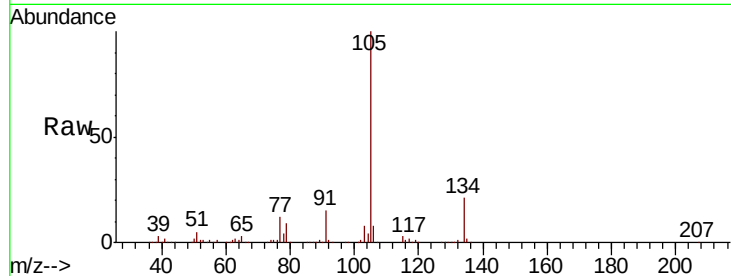
134 20.5 10.4 31.4

Manual Integrations

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9/12/2018 10:06:45 AM



#86

p-Isopropyltoluene

Concen: 19.58 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

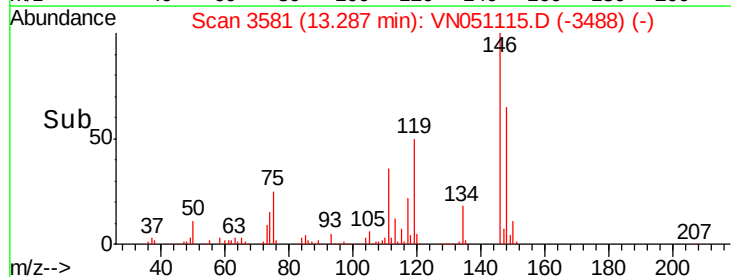
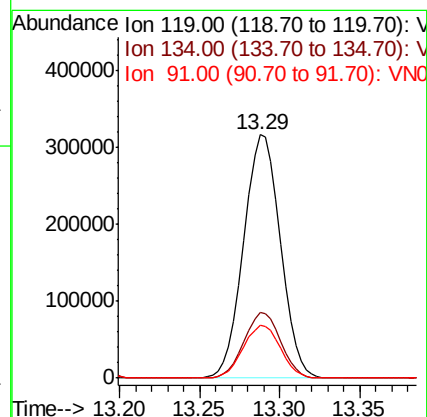
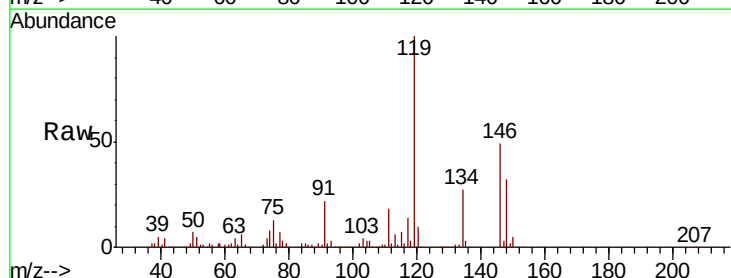
Tgt Ion:119 Resp: 496401

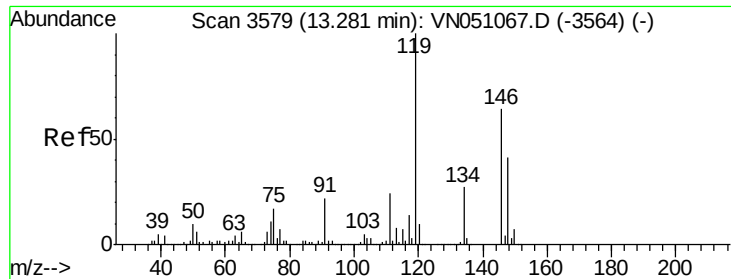
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.9 10.9 32.9





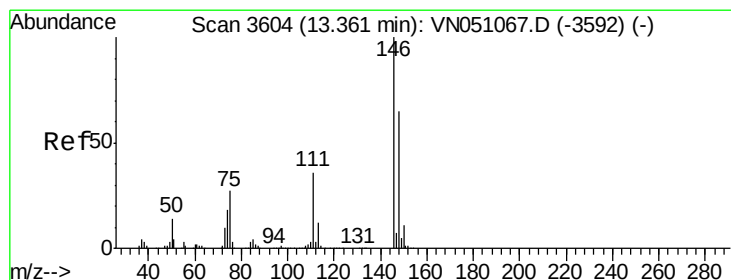
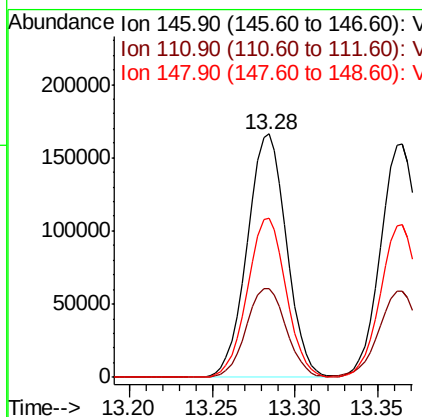
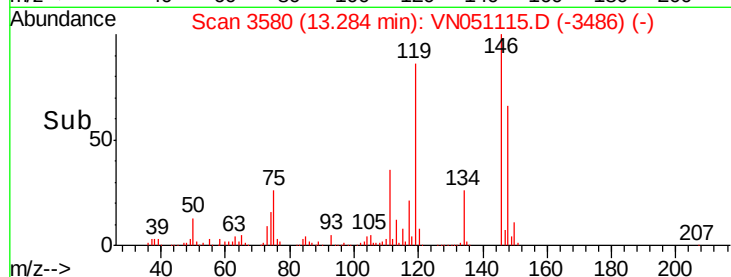
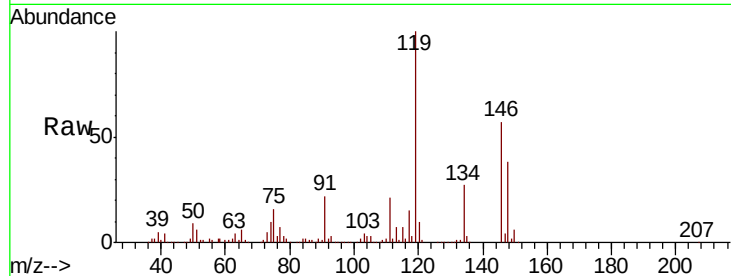
#87
 1,3-Dichlorobenzene
 Concen: 18.47 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	64.3	32.2	96.6

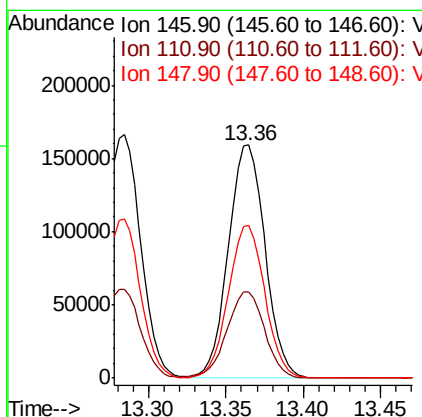
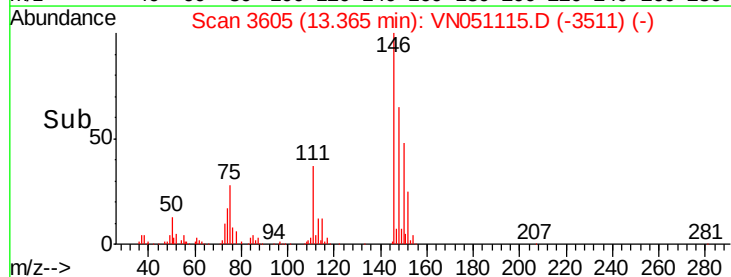
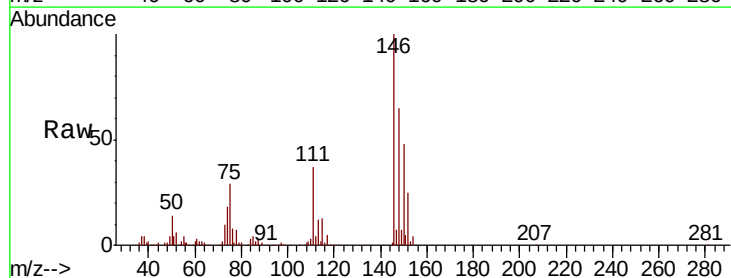
Manual Integrations
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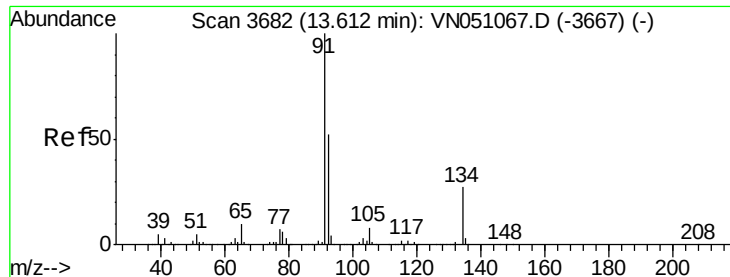
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 9/12/2018 10:06:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.19 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.0
148	65.2	32.2	96.6





#89

n-Butylbenzene

Concen: 18.03 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

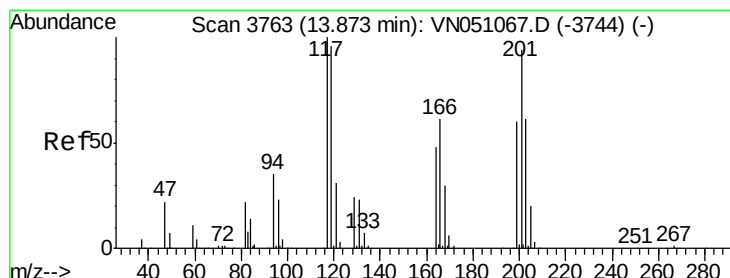
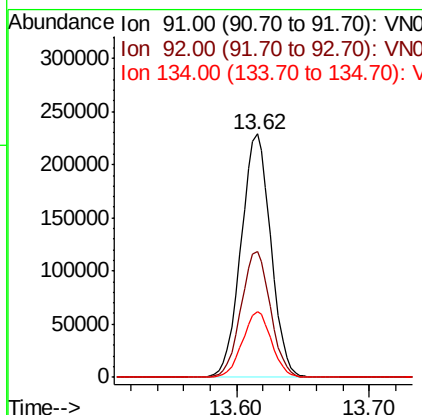
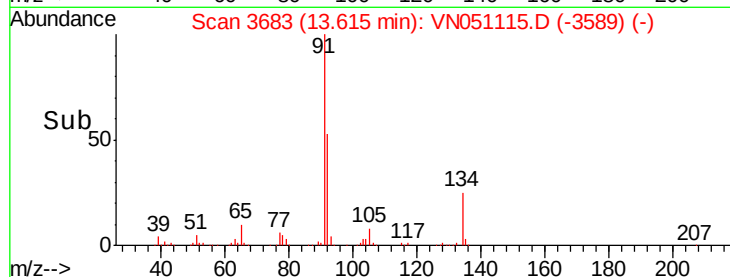
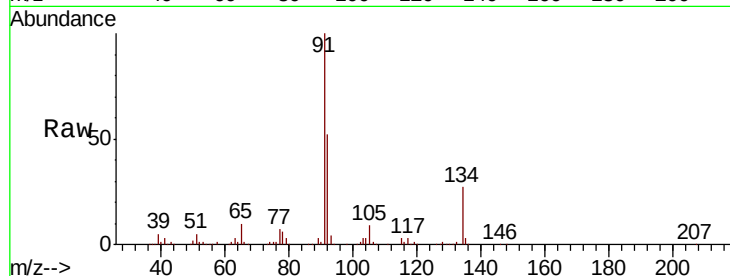
ClientSampleId :

VN0911WBSD01

Tot Ion:	91	Resp:	355665
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.2	78.6
134	26.3	13.7	41.1

Manual Integrations
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9/12/2018 10:06:45 AM



#90

Hexachloroethane

Concen: 19.62 ug/l

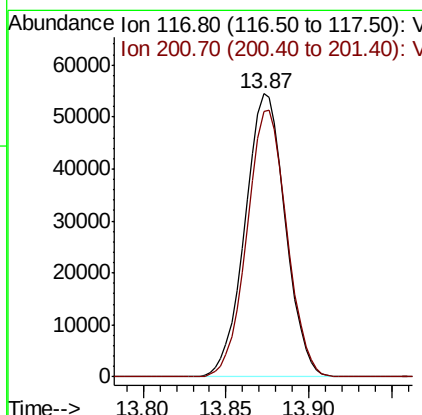
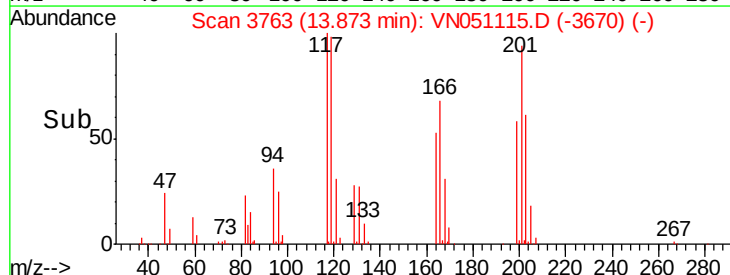
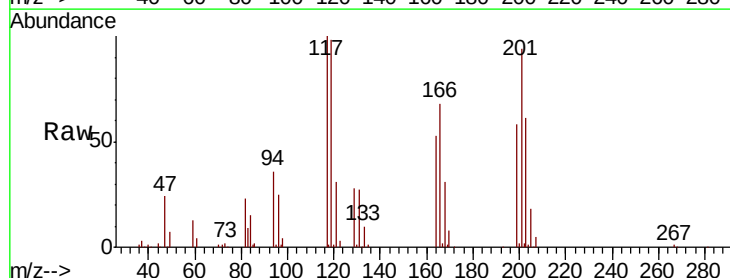
RT: 13.87 min Scan# 3763

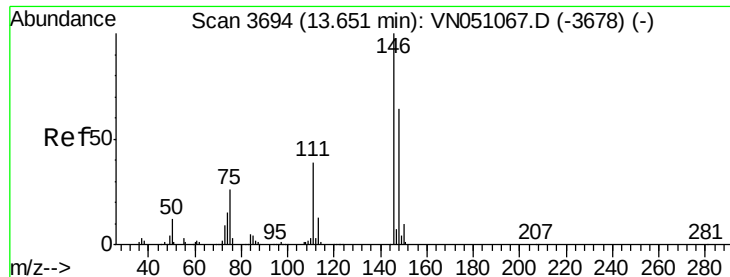
Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion:	117	Resp:	92291
Ion	Ratio	Lower	Upper
117	100		
201	93.1	47.3	142.0





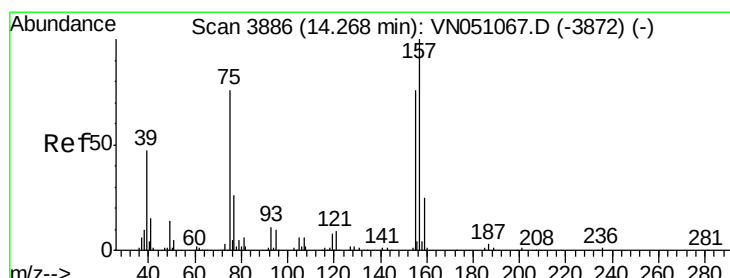
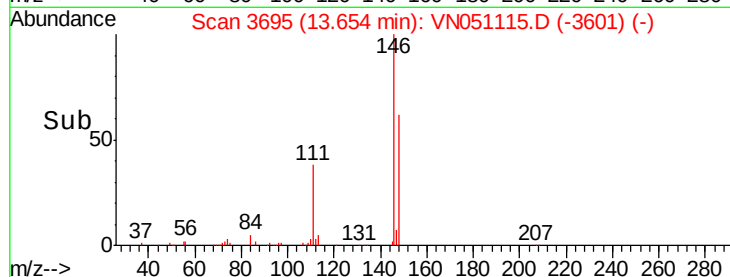
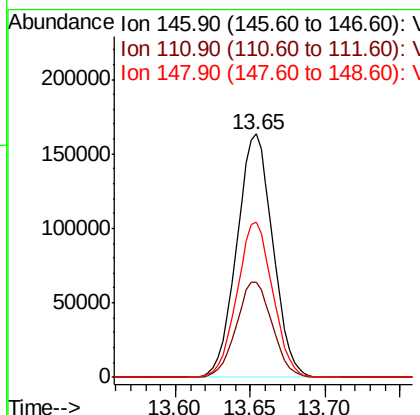
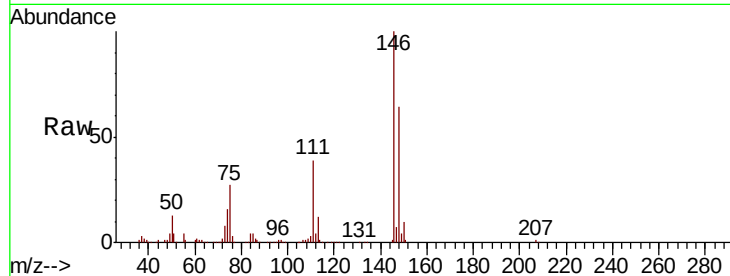
#91
 1,2-Dichlorobenzene
 Concen: 18.83 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.2	32.1	96.3

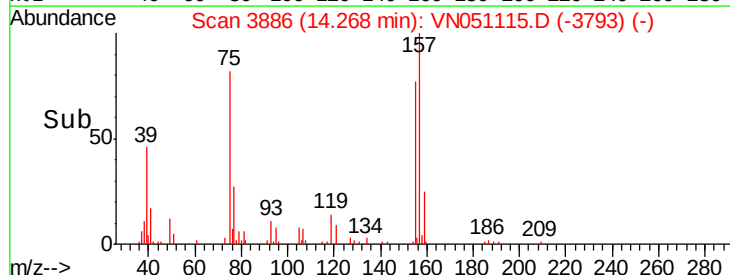
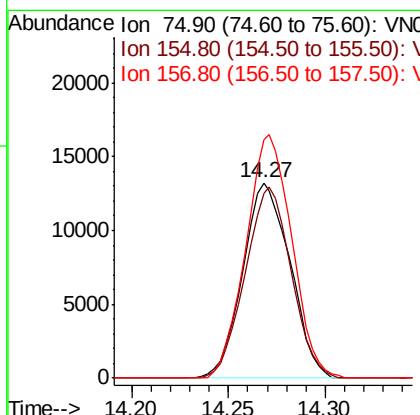
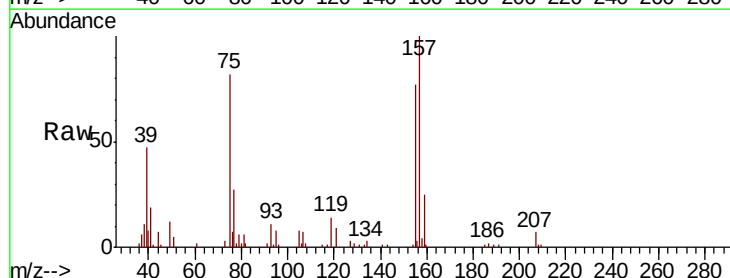
Manual Integrations
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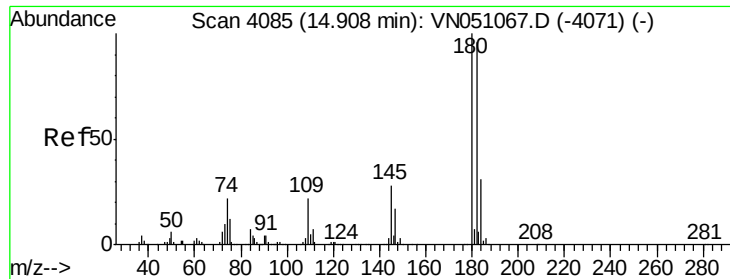
MMDadoda
 9/12/2018 10:06:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.63 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	48.7	146.1
157	120.6	63.6	190.9





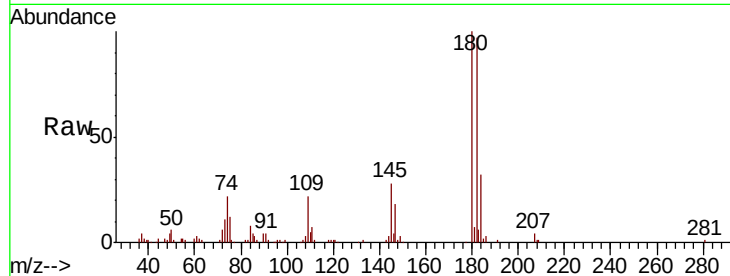
#93
 1,2,4-Trichlorobenzene
 Concen: 16.55 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD01

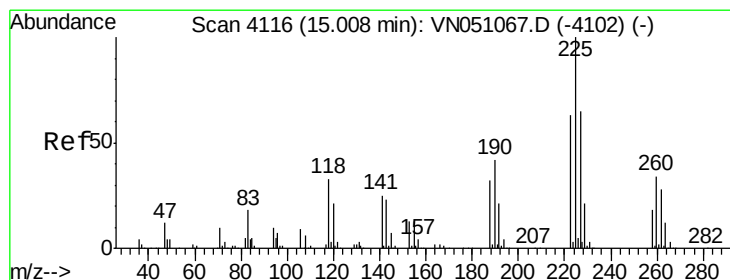
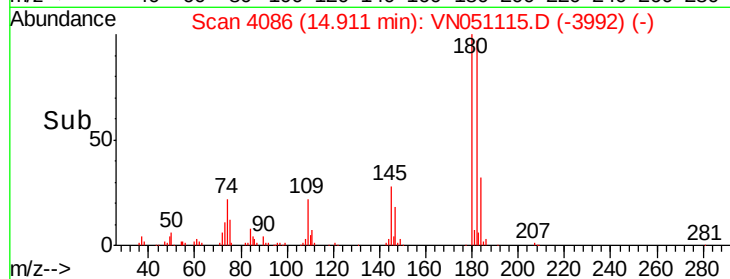
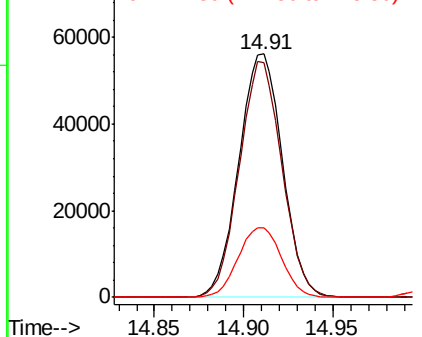
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.3	141.8	
145	28.5	14.2	42.6	

Manual Integrations
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 9/12/2018 10:06:45 AM

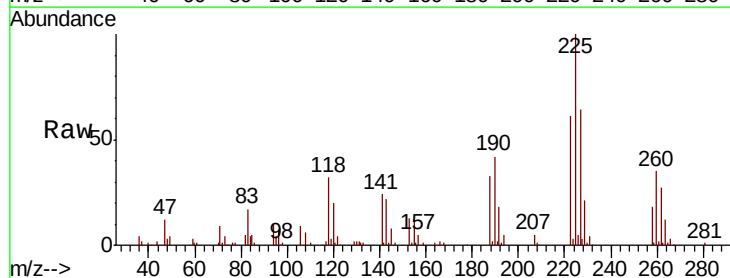


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

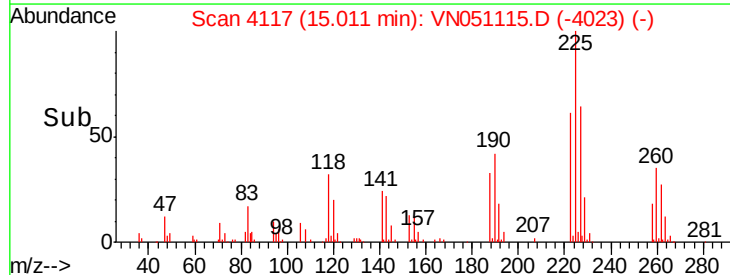
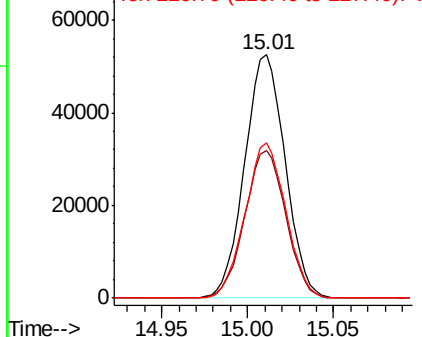


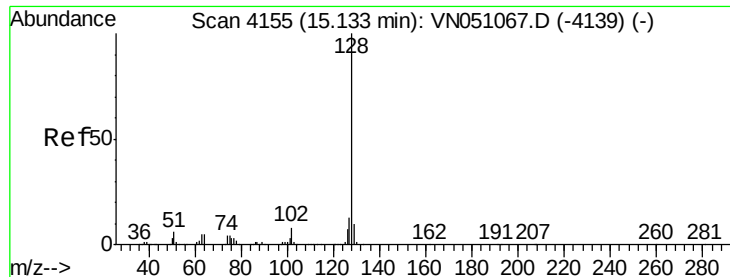
#94
 Hexachlorobutadiene
 Concen: 19.23 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051115.D
 Acq: 11 Sep 2018 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.4	94.0	
227	63.8	32.1	96.3	



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





#95

Naphthalene

Concen: 16.91 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Instrument :

MSVOA_N

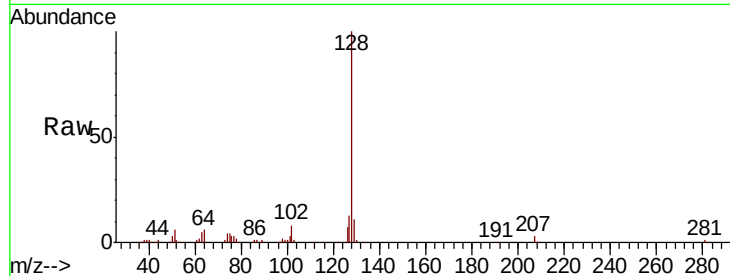
ClientSampleId :

VN0911WBSD01

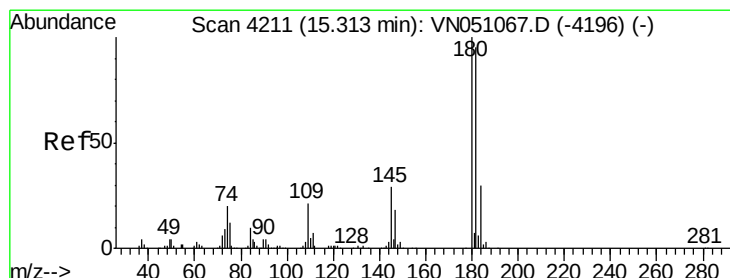
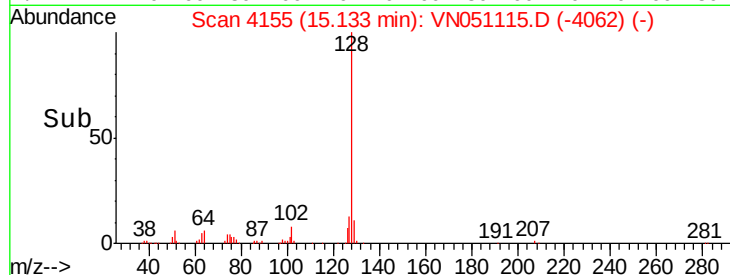
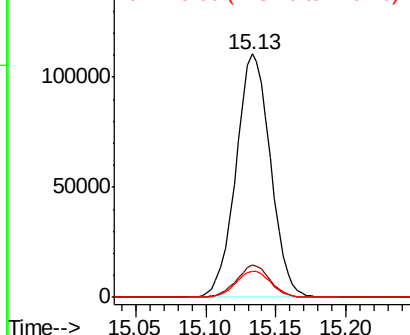
Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		189655		
127	12.9		10.6	15.8	
129	11.0		8.6	12.8	

Manual Integrations
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9/12/2018 10:06:45 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 17.18 ug/l

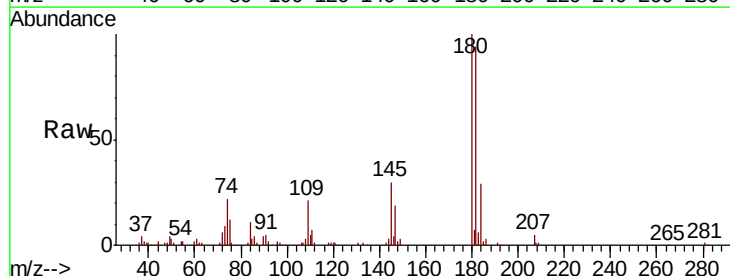
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051115.D

Acq: 11 Sep 2018 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		101238		
182	95.9		47.8	143.3	
145	29.6		14.6	43.8	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

