

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050892.D
 Acq On : 27 Aug 2018 12:30
 Operator : MD\SY
 Sample : VN0827WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:23 PM

Quant Time: Aug 28 02:23:42 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	587319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	849900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	358097	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.59	113	342521	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	1236657	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.40	95	390997	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	161195	20.51	ug/l	99
3) Chloromethane	2.06	50	190772	19.68	ug/l	99
4) Vinyl Chloride	2.18	62	183095	19.94	ug/l	99
5) Bromomethane	2.56	94	107082	19.87	ug/l	99
6) Chloroethane	2.70	64	106128	20.00	ug/l	97
7) Trichlorofluoromethane	3.01	101	235116	19.99	ug/l	100
8) Diethyl Ether	3.41	74	82566	20.65	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141934	19.32	ug/l	99
10) Methyl Iodide	3.95	142	112217	21.54	ug/l	99
11) Tert butyl alcohol	4.80	59	48330	107.34	ug/l	99
12) 1,1-Dichloroethene	3.73	96	131486	19.93	ug/l	98
13) Acrolein	3.61	56	25432	107.71	ug/l	95
14) Allyl chloride	4.33	41	207294	20.17	ug/l	99
15) Acrylonitrile	4.99	53	243596	106.46	ug/l	98
16) Acetone	3.82	43	176792	101.39	ug/l	100
17) Carbon Disulfide	4.05	76	398362	18.01	ug/l	99
18) Methyl Acetate	4.33	43	151405	22.68	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	361085	21.76	ug/l	100
20) Methylene Chloride	4.55	84	162702	20.42	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	142118	19.92	ug/l	98
22) Diisopropyl ether	5.96	45	451324	22.03	ug/l	99
23) Vinyl Acetate	5.90	43	1385197	105.00	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271251	20.63	ug/l	99
25) 2-Butanone	6.84	43	266843	93.65	ug/l	99
26) 2,2-Dichloropropane	6.83	77	206430	19.53	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161345	20.98	ug/l	99
28) Bromochloromethane	7.20	49	110293	19.74	ug/l	98
29) Tetrahydrofuran	7.21	42	179535	109.90	ug/l	99
30) Chloroform	7.37	83	273226	20.98	ug/l	99
31) Cyclohexane	7.66	56	216799	18.43	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	224533	20.07	ug/l	99
36) 1,1-Dichloropropene	7.80	75	192525	19.20	ug/l	99
37) Ethyl Acetate	6.93	43	122965	21.34	ug/l #	95
38) Carbon Tetrachloride	7.78	117	198898	19.62	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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MMDadoda
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Quant Time: Aug 28 02:23:42 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197388	18.19	ug/l	99
40) Benzene	8.04	78	612788	20.26	ug/l	99
41) Methacrylonitrile	7.18	41	64984	20.84	ug/l	97
42) 1,2-Dichloroethane	8.13	62	189616	20.97	ug/l	100
43) Isopropyl Acetate	8.17	43	228864	23.10	ug/l #	90
44) Trichloroethene	8.84	130	157382	19.73	ug/l	97
45) 1,2-Dichloropropane	9.12	63	164852	20.74	ug/l	97
46) Dibromomethane	9.21	93	96504	20.66	ug/l	98
47) Bromodichloromethane	9.40	83	203716	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	104838	20.77	ug/l	99
49) 1,4-Dioxane	9.20	88	30216	439.07	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	606681	102.63	ug/l	100
52) Toluene	10.16	92	369850	20.64	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196537	20.19	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	232658	20.87	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140580	21.14	ug/l	98
56) Ethyl methacrylate	10.43	69	157334	19.68	ug/l	98
57) 1,3-Dichloropropane	10.71	76	231960	21.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	328786	95.07	ug/l	99
59) 2-Hexanone	10.75	43	390475	99.23	ug/l	98
60) Dibromochloromethane	10.90	129	156151	20.97	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134244	20.88	ug/l	98
64) Tetrachloroethene	10.63	164	142808	19.60	ug/l	99
65) Chlorobenzene	11.44	112	399754	19.93	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	155288	21.16	ug/l	99
67) Ethyl Benzene	11.51	91	649927	19.93	ug/l	99
68) m/p-Xylenes	11.62	106	504578	40.77	ug/l	100
69) o-Xylene	11.95	106	241118	20.27	ug/l	98
70) Styrene	11.96	104	380765	18.97	ug/l	98
71) Bromoform	12.13	173	106577	21.12	ug/l #	100
73) Isopropylbenzene	12.25	105	625541	20.47	ug/l	99
74) N-amyl acetate	12.07	43	159196	20.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174784	23.11	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	149660m	23.16	ug/l	
77) Bromobenzene	12.53	156	172691	20.80	ug/l	98
78) n-propylbenzene	12.59	91	701275	20.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	436107	20.51	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	518430	21.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39324	20.57	ug/l	94
82) 4-Chlorotoluene	12.77	91	431881	20.58	ug/l	99
83) tert-Butylbenzene	12.99	119	435820	20.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	524723	21.16	ug/l	99
85) sec-Butylbenzene	13.17	105	573136	20.49	ug/l	100
86) p-Isopropyltoluene	13.29	119	488783	20.50	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	279116	19.81	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	266418	19.21	ug/l	100
89) n-Butylbenzene	13.62	91	356979	18.72	ug/l	98
90) Hexachloroethane	13.87	117	94527	20.91	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	275675	20.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22277	20.30	ug/l	97

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ClientSampleId :
VN0827WBSD01

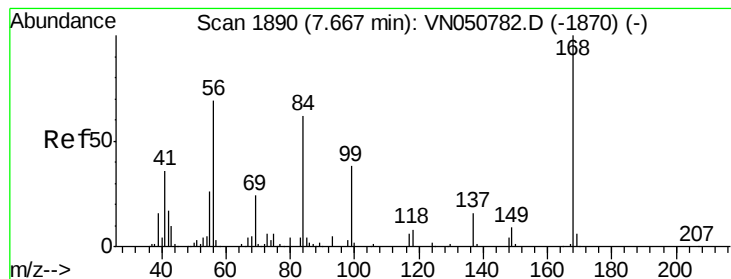
Manual Integrations
APPROVED

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Quant Time: Aug 28 02:23:42 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	103277	17.49	ug/l	99
94) Hexachlorobutadiene	15.01	225	83334	20.01	ug/l	99
95) Naphthalene	15.13	128	197252	17.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	106583	18.31	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion:168 Resp: 587319

Ion Ratio Lower Upper

168 100

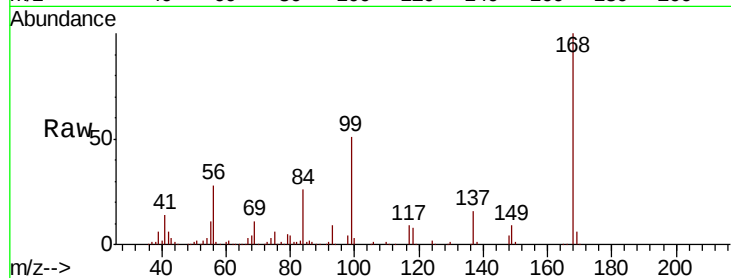
99 50.2 39.6 59.4

Manual Integrations

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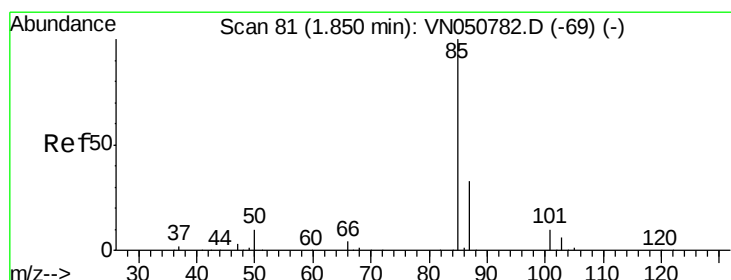
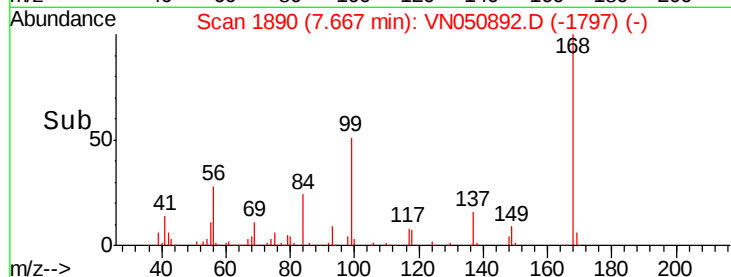
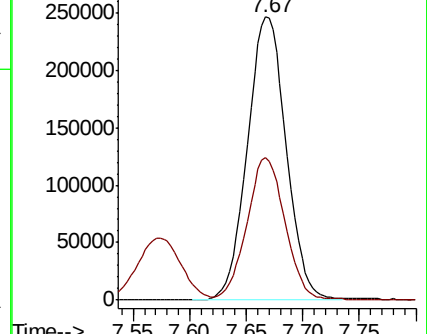
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.51 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050892.D

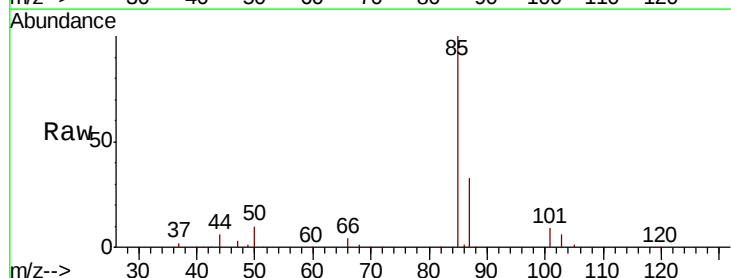
Acq: 27 Aug 2018 12:30

Tgt Ion: 85 Resp: 161195

Ion Ratio Lower Upper

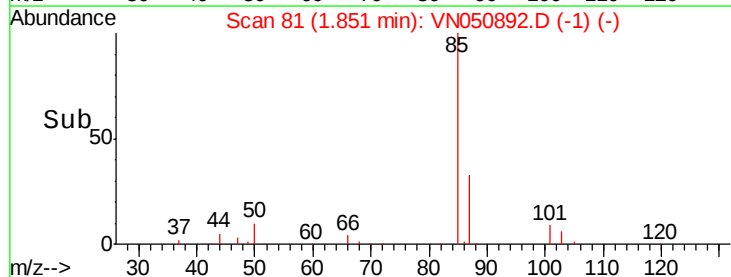
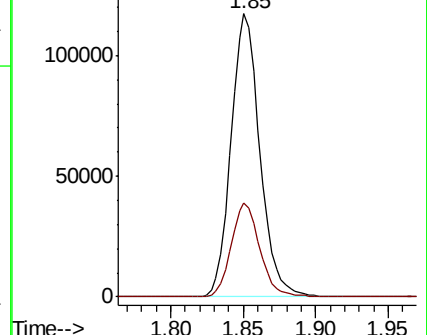
85 100

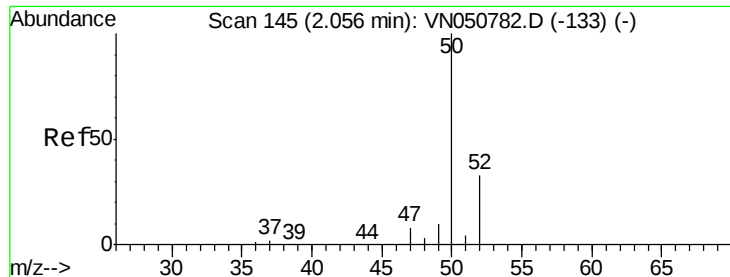
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.68 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 50 Resp: 190772

Ion Ratio Lower Upper

50 100

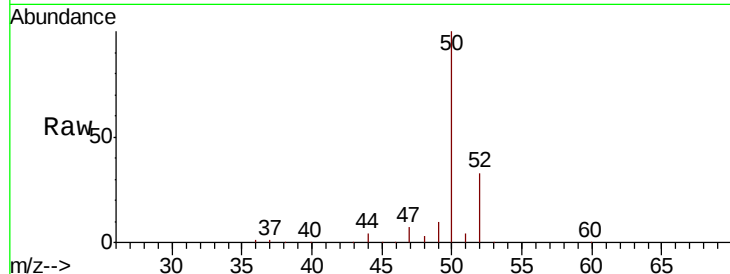
52 33.4 26.3 39.5

Manual Integrations

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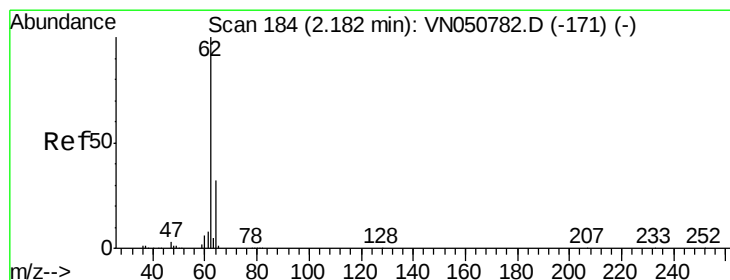
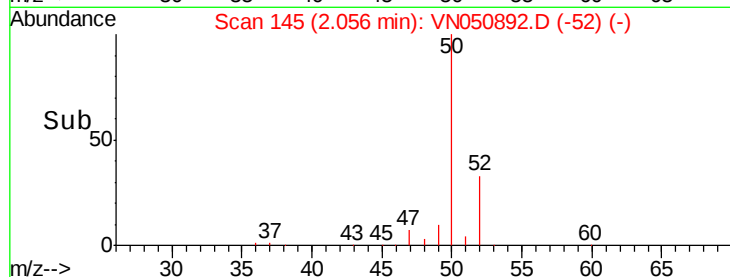
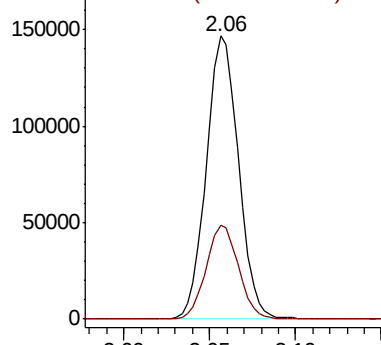
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.94 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050892.D

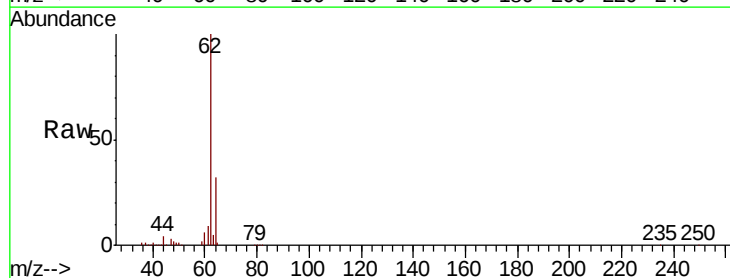
Acq: 27 Aug 2018 12:30

Tgt Ion: 62 Resp: 183095

Ion Ratio Lower Upper

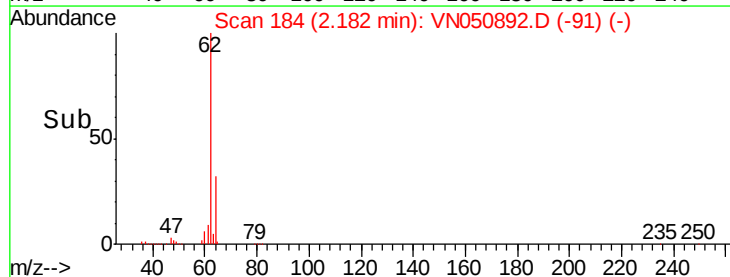
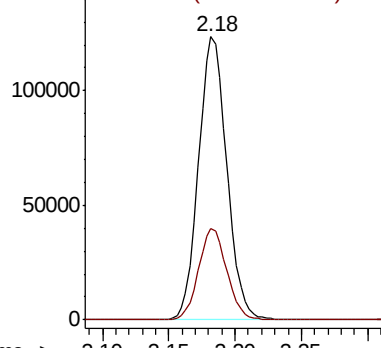
62 100

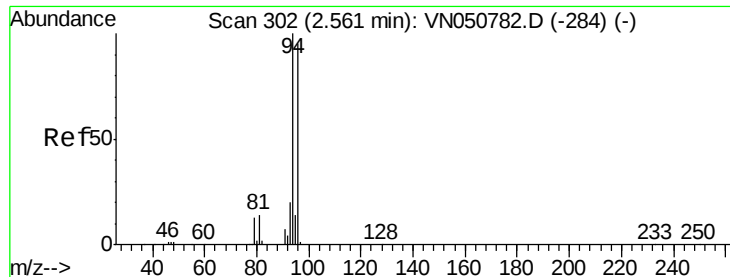
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.87 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 94 Resp: 107082

Ion Ratio Lower Upper

94 100

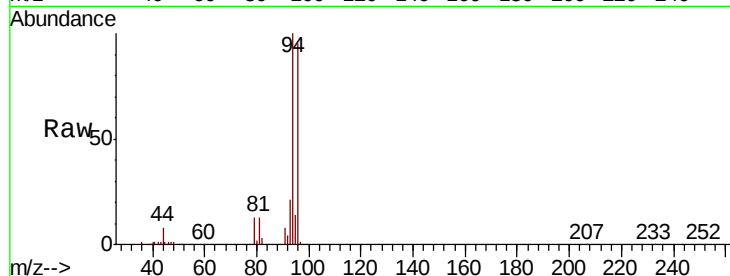
96 94.3 76.2 114.2

Manual Integrations

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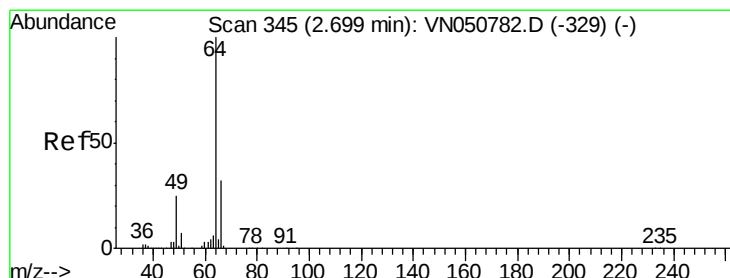
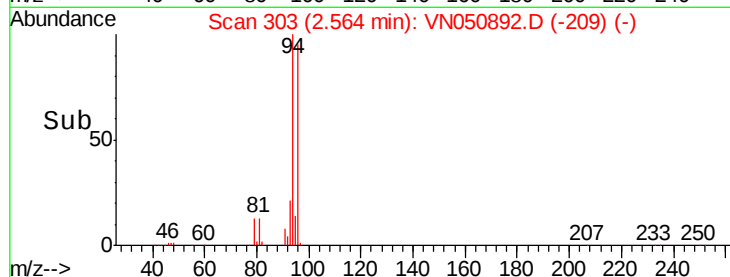
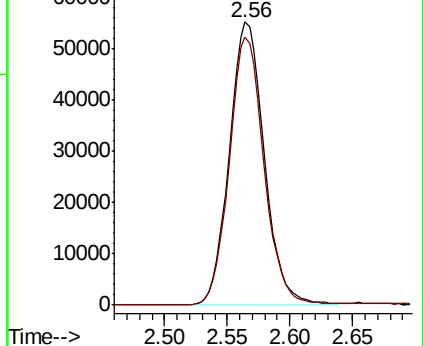
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.00 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050892.D

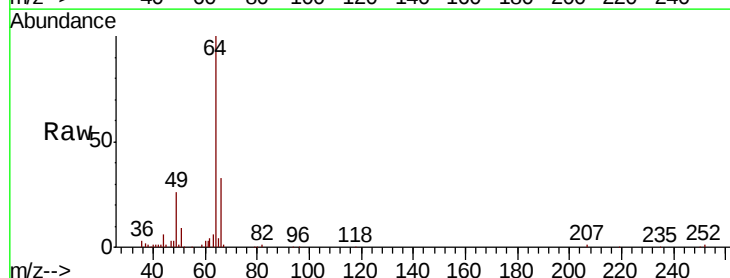
Acq: 27 Aug 2018 12:30

Tgt Ion: 64 Resp: 106128

Ion Ratio Lower Upper

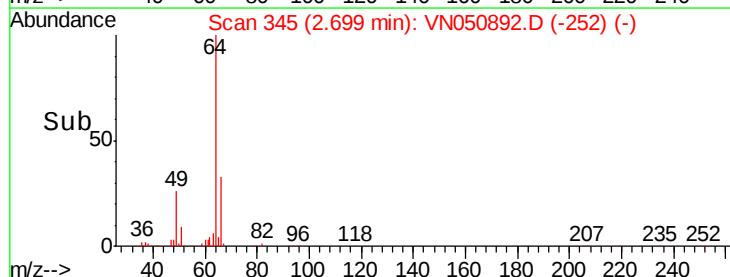
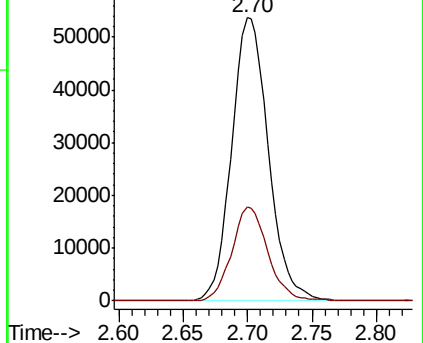
64 100

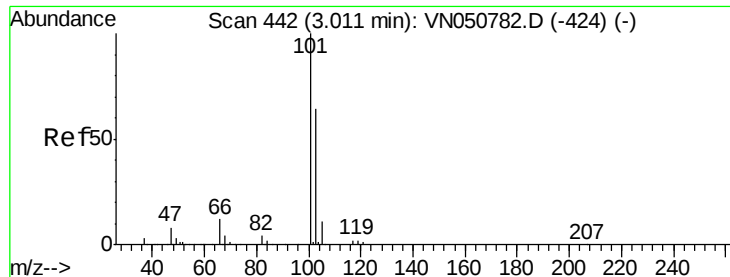
66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

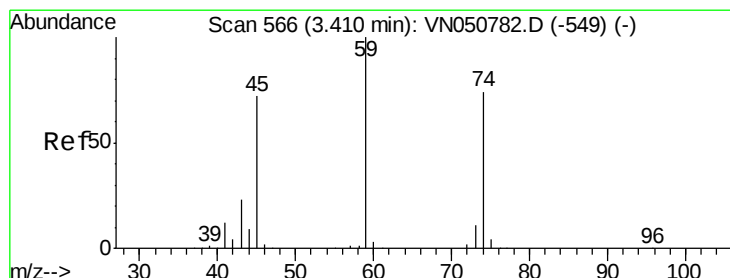
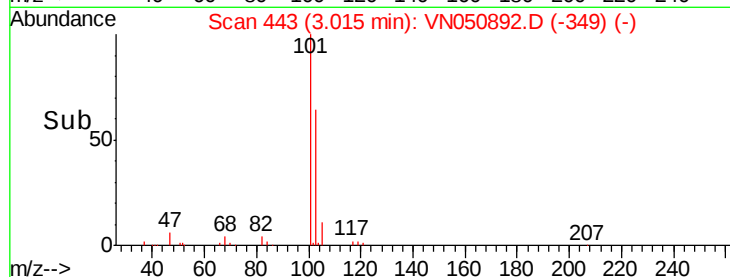
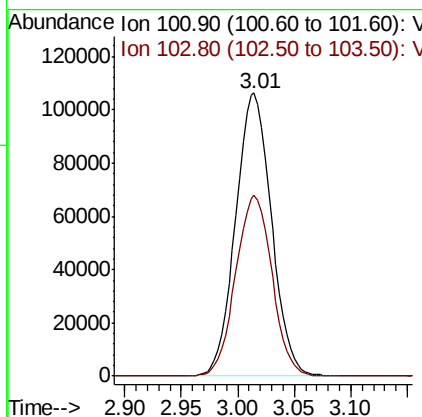
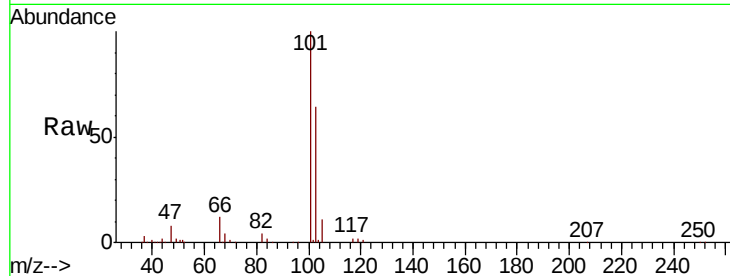
Trichlorofluoromethane
 Concen: 19.99 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
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 VN0827WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		235116		
103	64.1	51.6	77.4		

Manual Integrations
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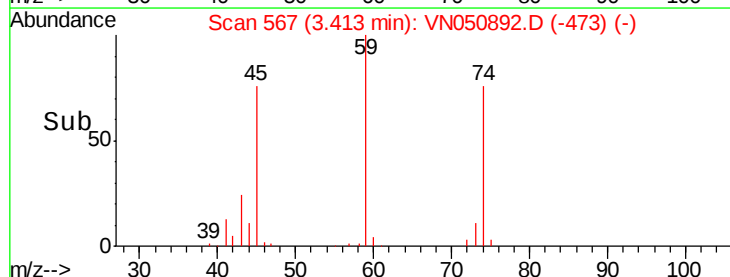
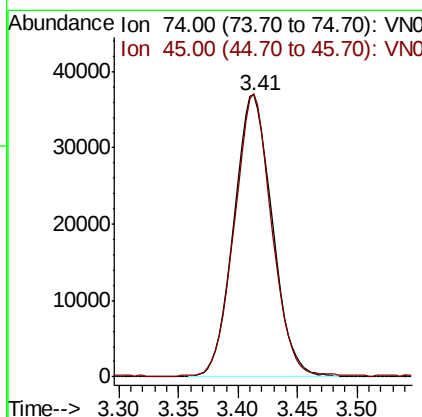
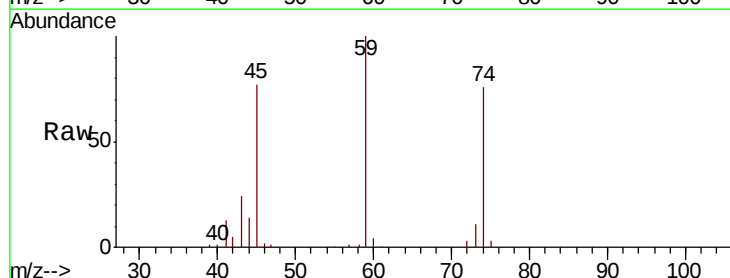
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#8

Diethyl Ether
 Concen: 20.65 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		82566		
45	98.4	48.2	144.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.32 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

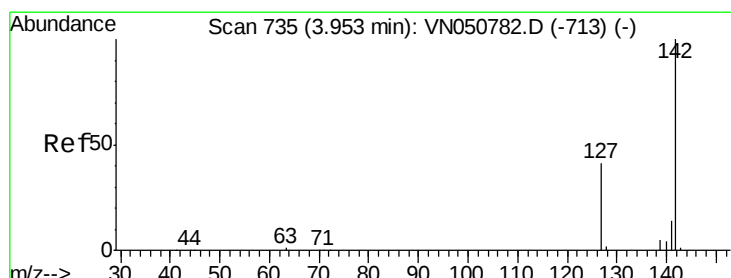
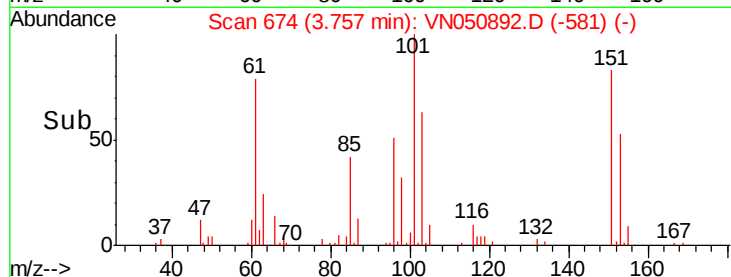
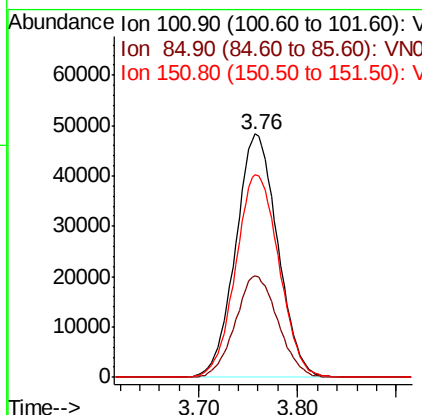
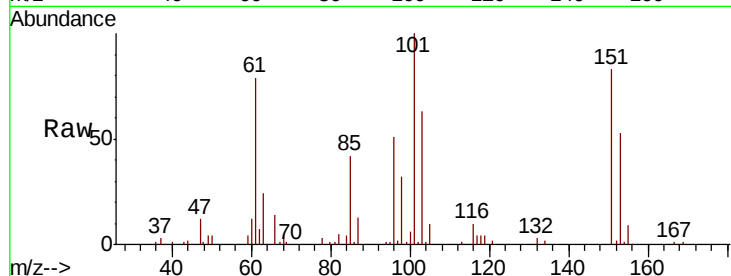
ClientSampleId :

VN0827WBSD01

Tot Ion:	101	Resp:	141934
Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.7	50.5
151	85.8	67.4	101.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.54 ug/l

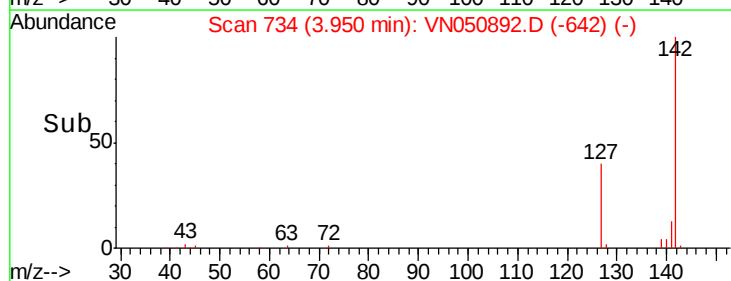
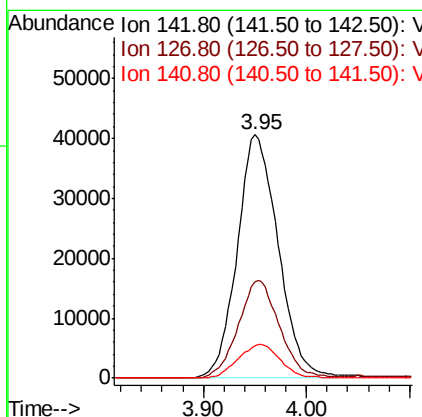
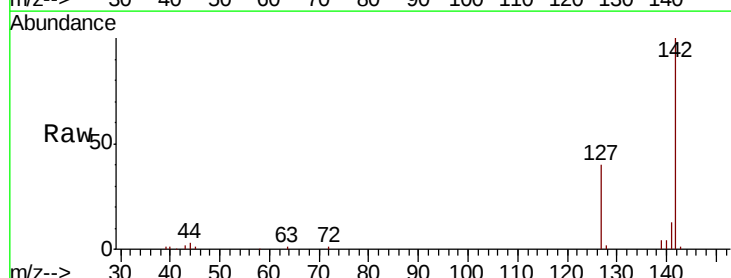
RT: 3.95 min Scan# 734

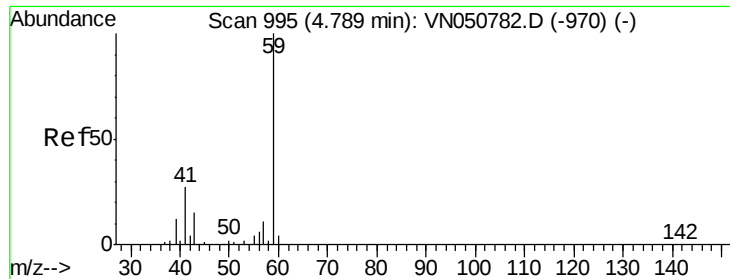
Delta R.T. -0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	142	Resp:	112217
Ion	Ratio	Lower	Upper
142	100		
127	40.6	31.7	47.5
141	14.1	11.4	17.0





#11

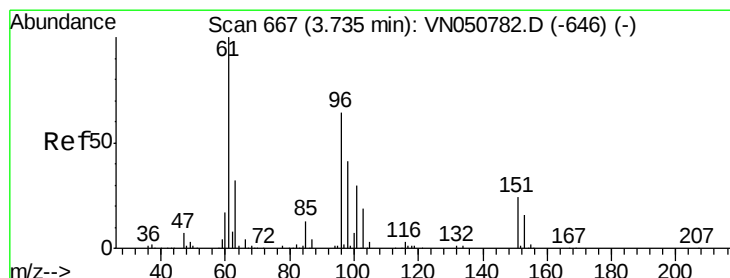
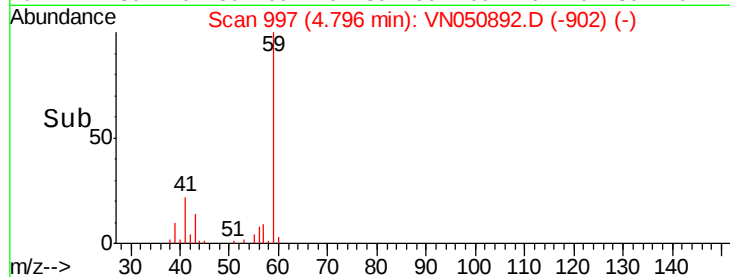
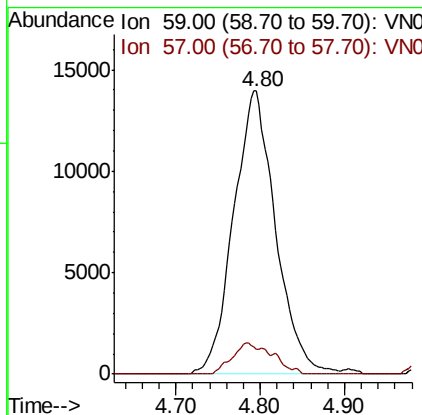
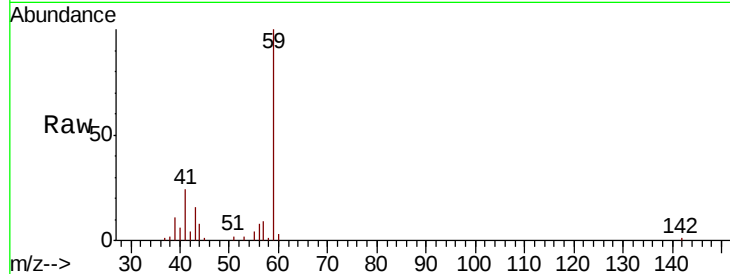
Tert butyl alcohol
 Concen: 107.34 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion	59	Resp	48330
Ion Ratio	100	Lower	Upper
57	10.6	8.3	12.5

Manual Integrations
 APPROVED

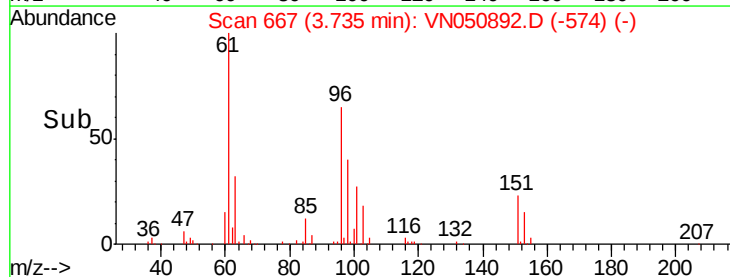
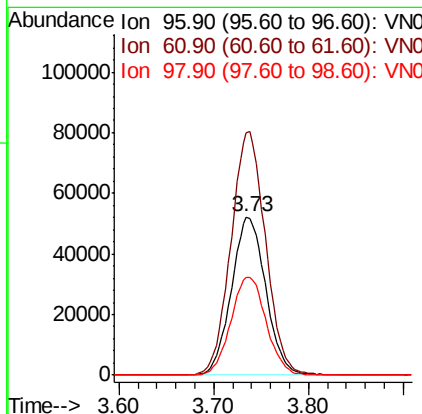
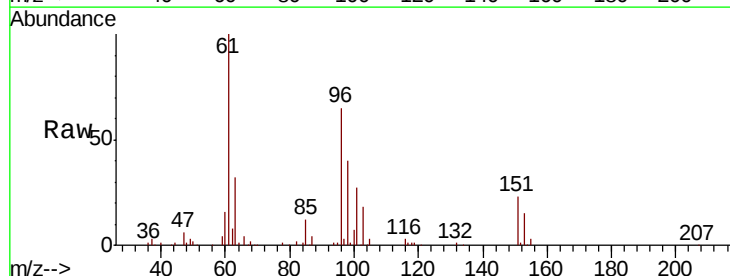
MMDadoda
 8/28/2018 12:20:23 PM



#12

1,1-Dichloroethene
 Concen: 19.93 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	96	Resp	131486
Ion Ratio	100	Lower	Upper
61	153.4	124.9	187.3
98	62.0	51.1	76.7





#13

Acrolein

Concen: 107.71 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 56 Resp: 25432

Ion Ratio Lower Upper

56 100

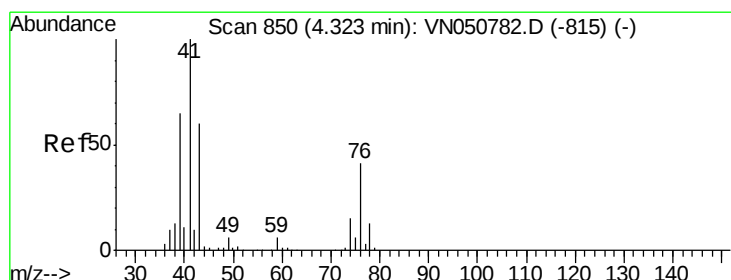
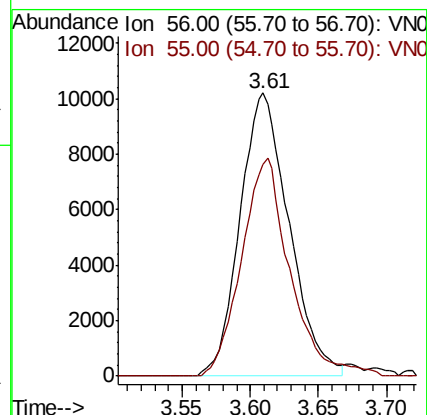
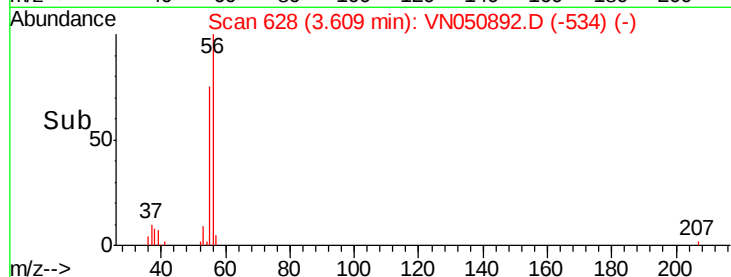
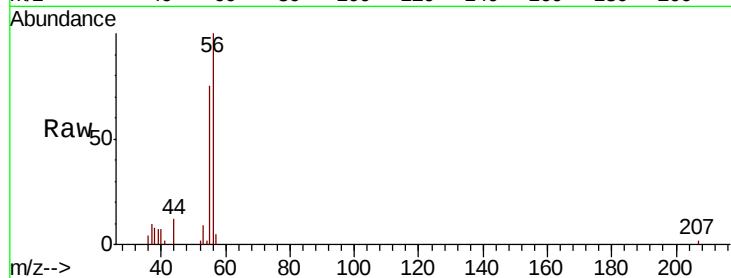
55 76.3 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 20.17 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

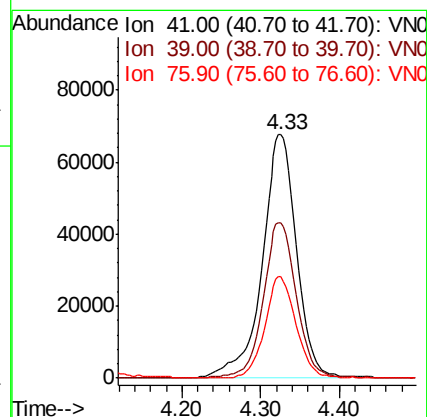
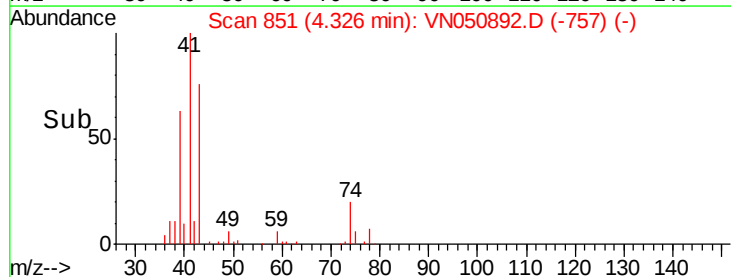
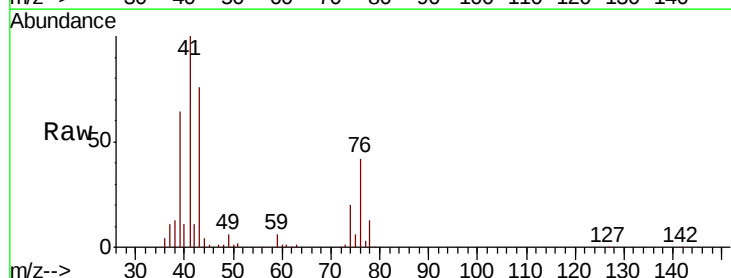
Tgt Ion: 41 Resp: 207294

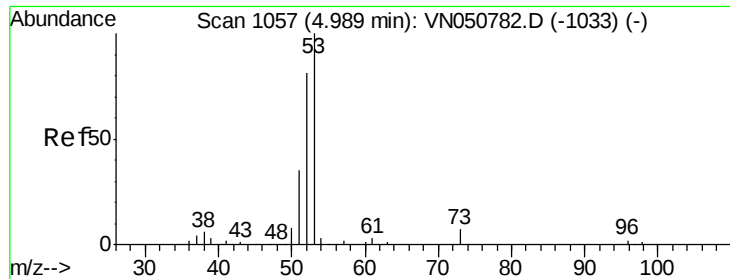
Ion Ratio Lower Upper

41 100

39 61.9 50.2 75.2

76 38.1 29.8 44.8





#15

Acrylonitrile

Concen: 106.46 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

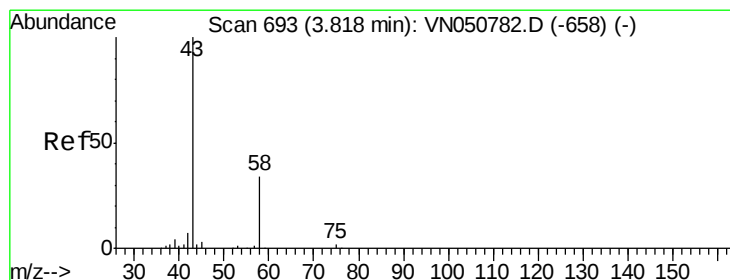
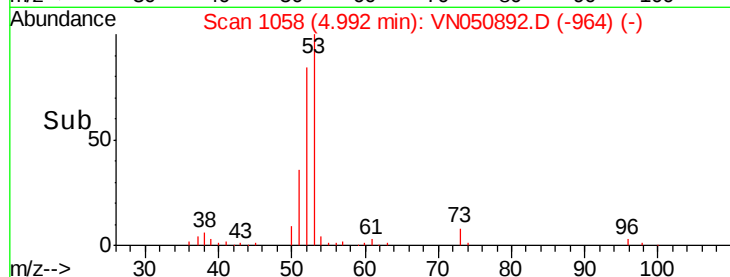
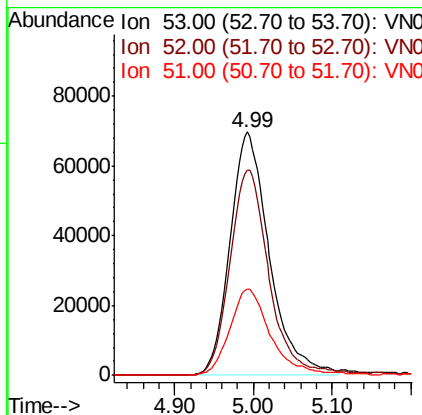
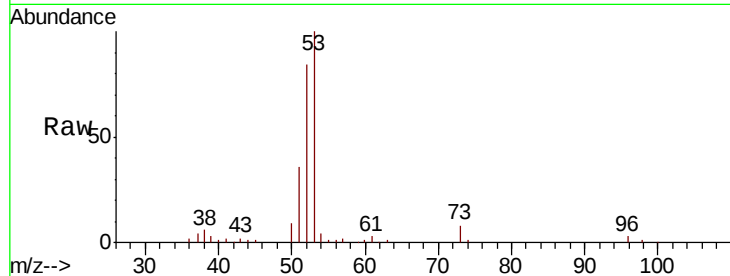
ClientSampleId :

VN0827WBSD01

Tot Ion:	53	Resp:	243596
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.9	98.9
51	37.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 101.39 ug/l

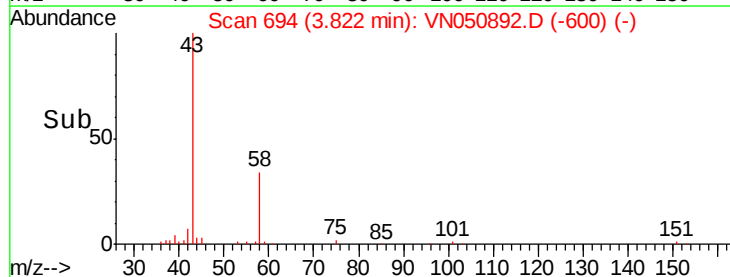
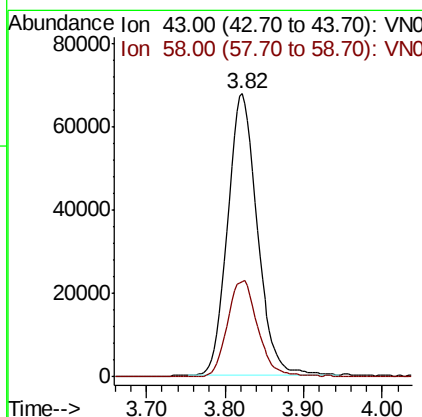
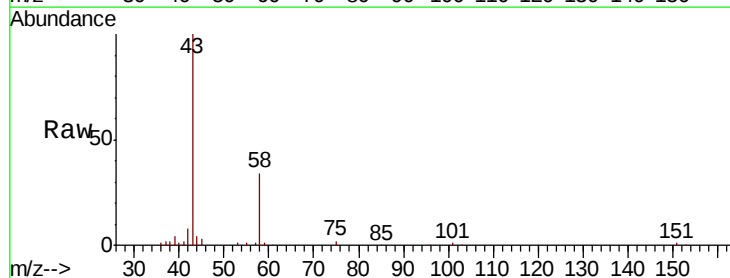
RT: 3.82 min Scan# 694

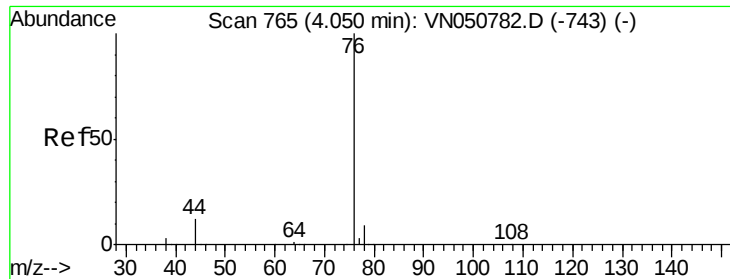
Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	43	Resp:	176792
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.2	40.8





#17

Carbon Disulfide

Concen: 18.01 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 76 Resp: 398362

Ion Ratio Lower Upper

76 100

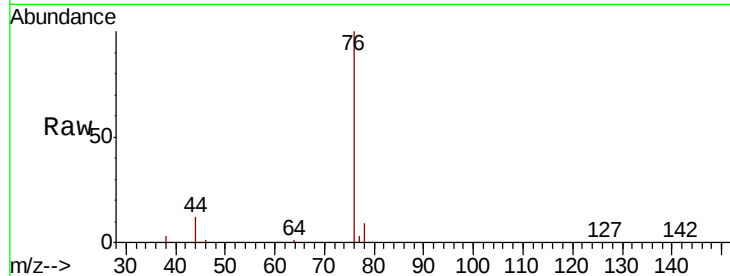
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

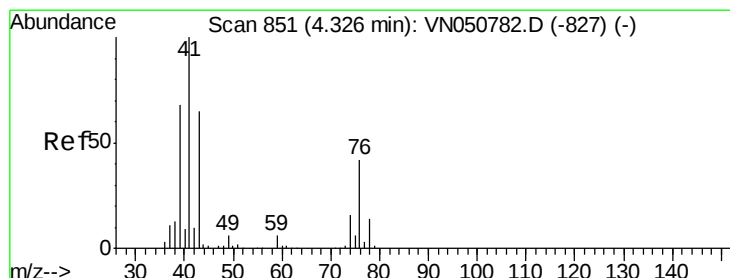
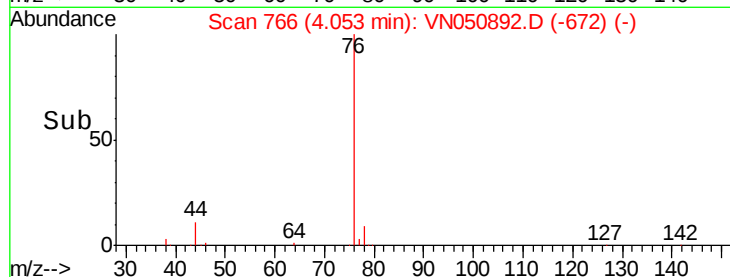
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.68 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050892.D

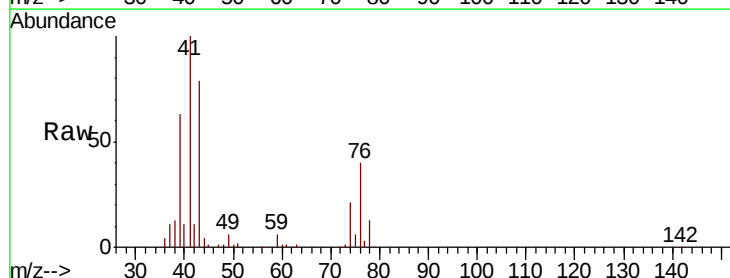
Acq: 27 Aug 2018 12:30

Tgt Ion: 43 Resp: 151405

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

60000

50000

40000

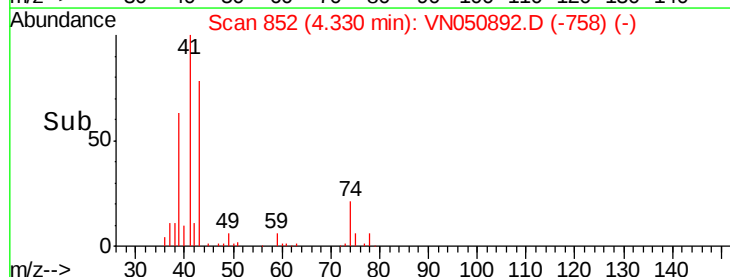
30000

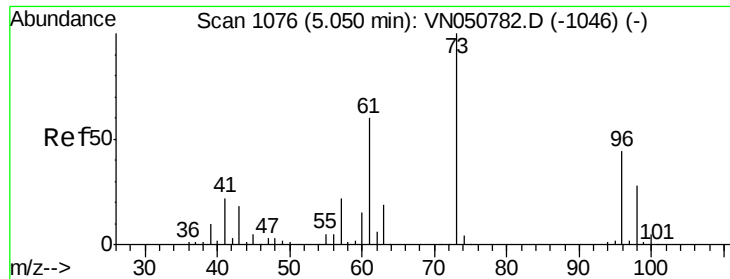
20000

10000

0

Time-->





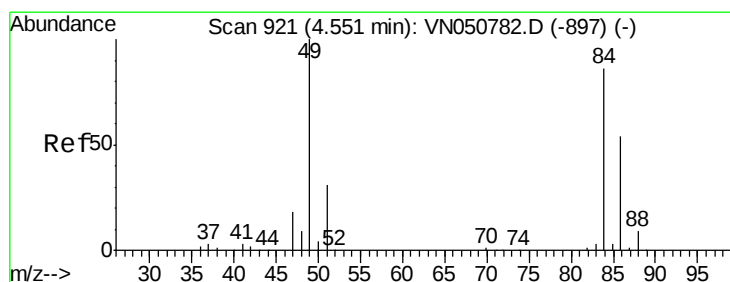
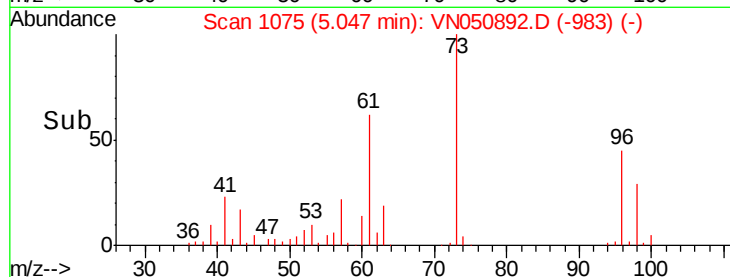
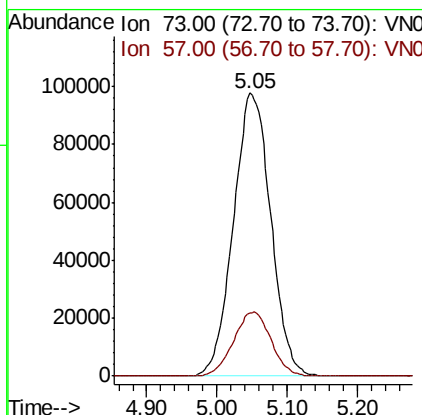
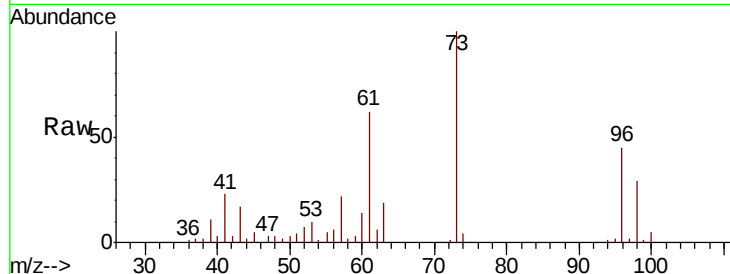
#19
Methyl tert-butyl Ether
Concen: 21.76 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion: 73 Resp: 361085
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

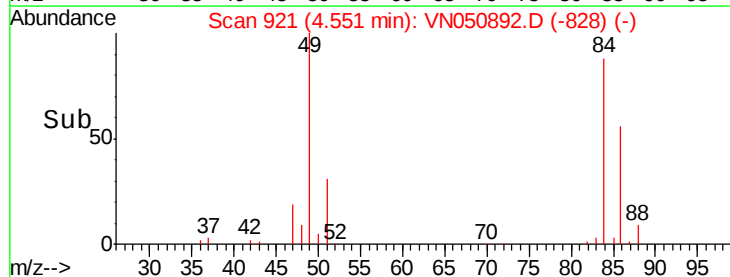
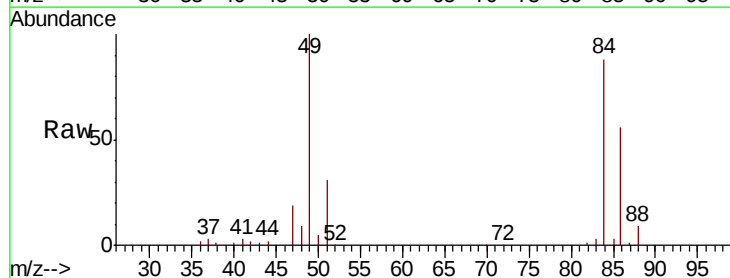
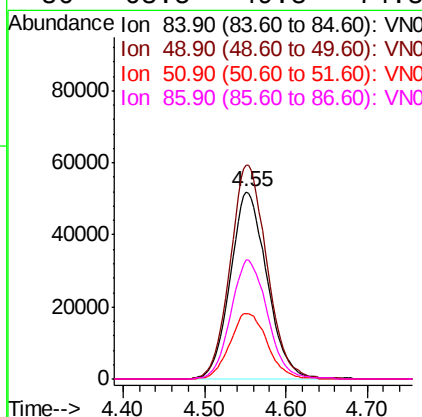
Manual Integrations
APPROVED

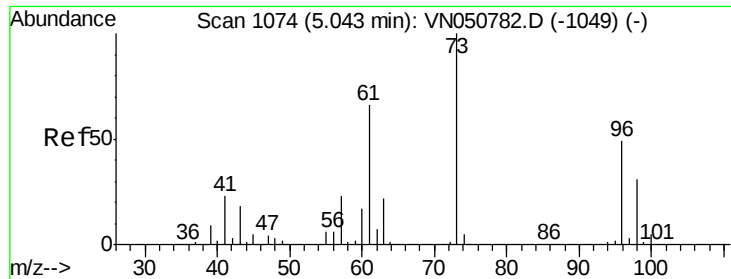
MMDadoda
8/28/2018 12:20:23 PM



#20
Methylene Chloride
Concen: 20.42 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 84 Resp: 162702
Ion Ratio Lower Upper
84 100
49 114.2 93.2 139.8
51 34.9 29.0 43.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.92 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 96 Resp: 142118

Ion Ratio Lower Upper

96 100

61 137.5 107.4 161.0

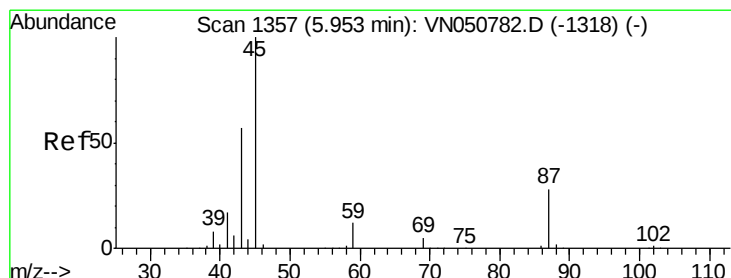
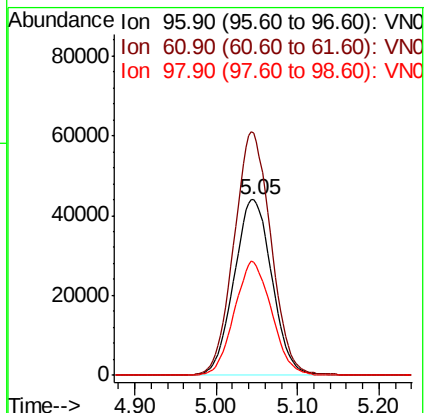
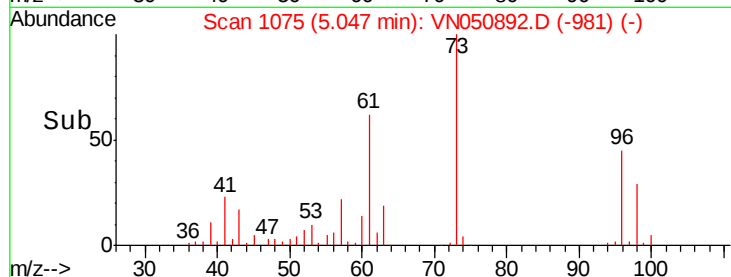
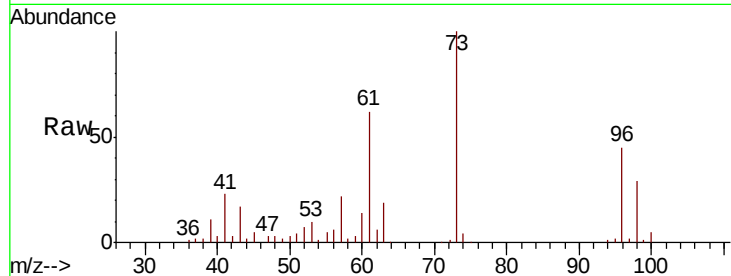
98 64.1 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.03 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion: 45 Resp: 451324

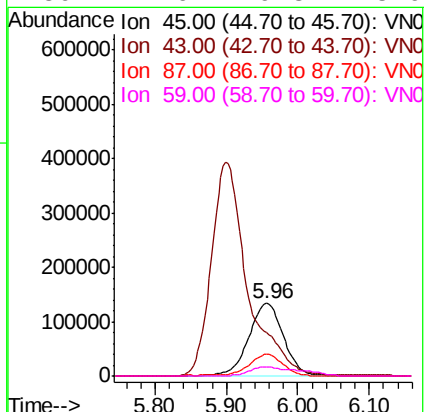
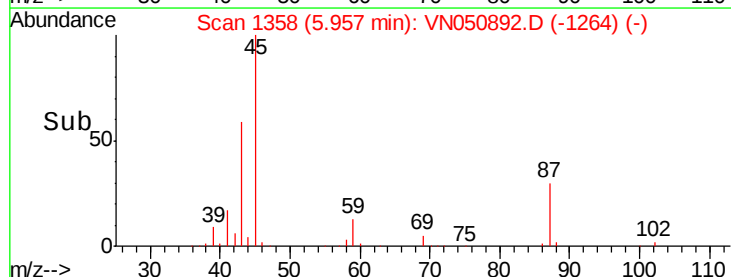
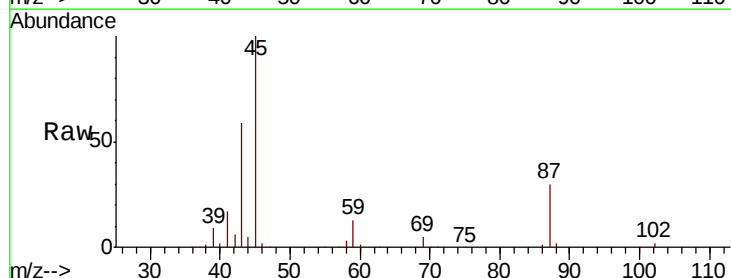
Ion Ratio Lower Upper

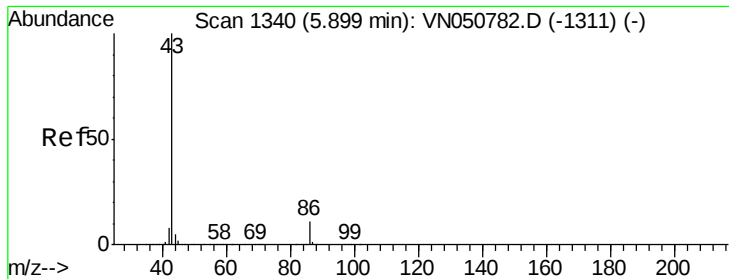
45 100

43 57.7 45.9 68.9

87 29.6 22.7 34.1

59 12.6 9.3 13.9





#23

Vinyl Acetate

Concen: 105.00 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 43 Resp: 1385197

Ion Ratio Lower Upper

43 100

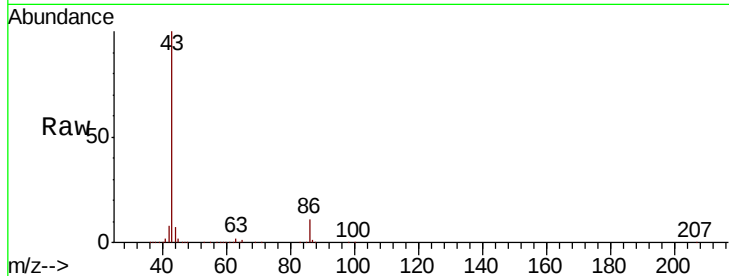
86 11.0 8.7 13.1

Manual Integrations

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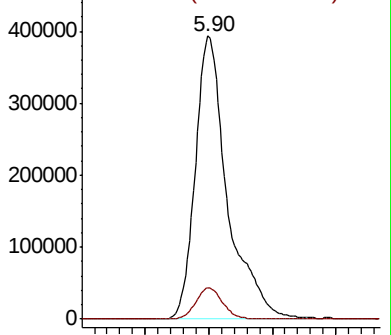
MMDadoda

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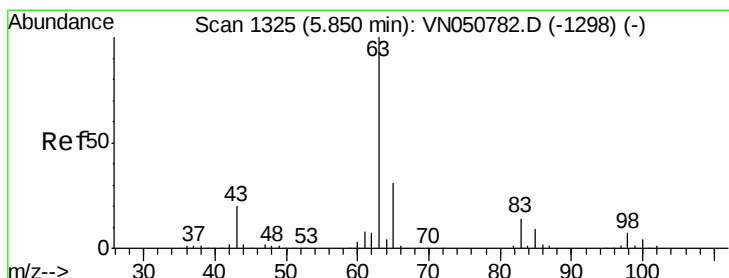
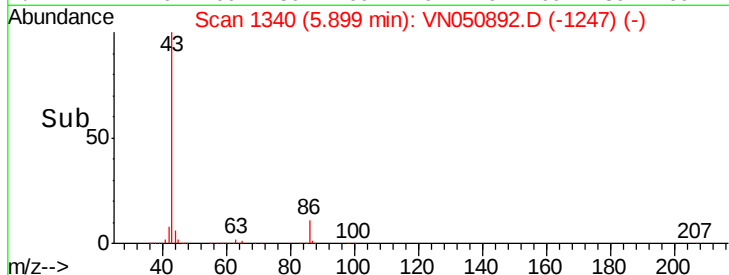


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.63 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

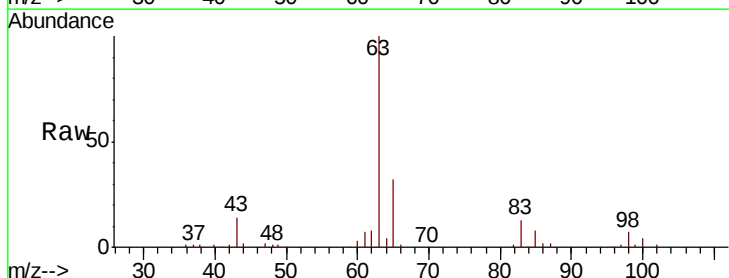
Tgt Ion: 63 Resp: 271251

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

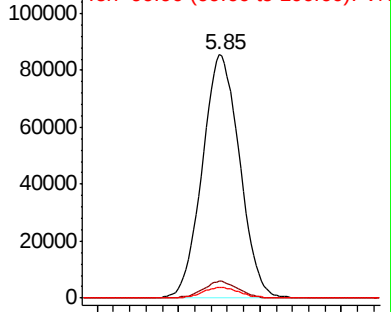
100 4.4 2.1 6.5



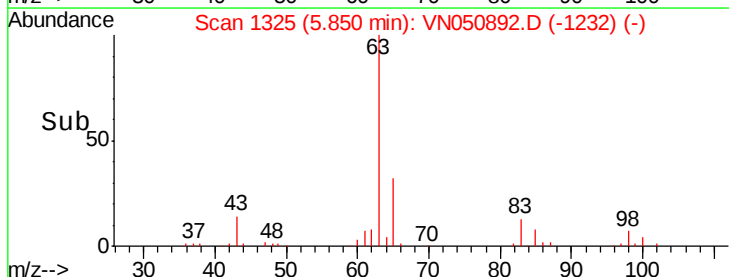
Abundance Ion 62.90 (62.60 to 63.60): VN0

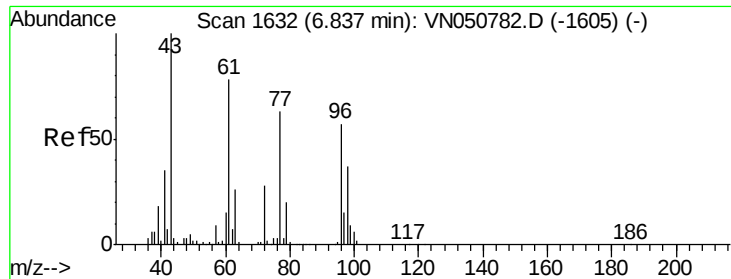
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 93.65 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 43 Resp: 266843

Ion Ratio Lower Upper

43 100

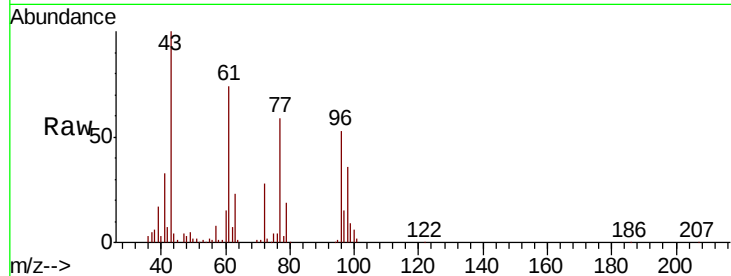
72 28.5 22.3 33.5

Manual Integrations

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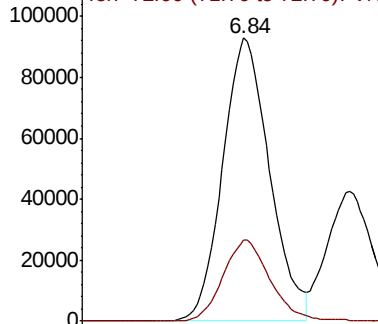
MMDadoda

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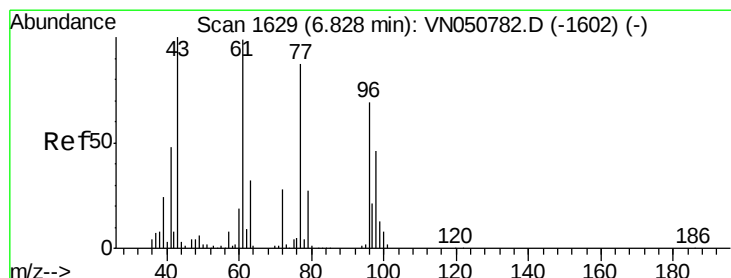
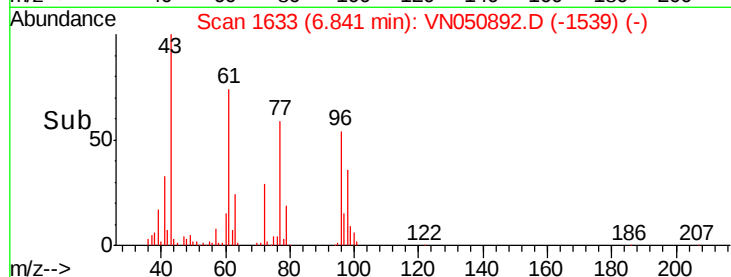


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 19.53 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050892.D

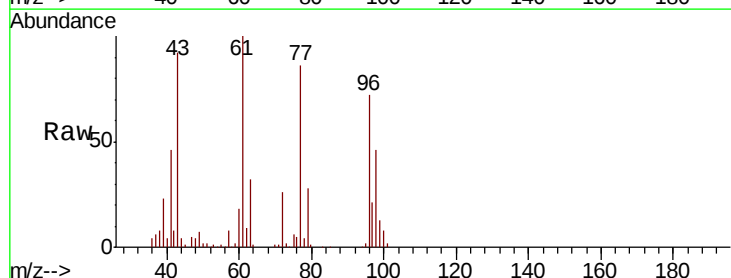
Acq: 27 Aug 2018 12:30

Tgt Ion: 77 Resp: 206430

Ion Ratio Lower Upper

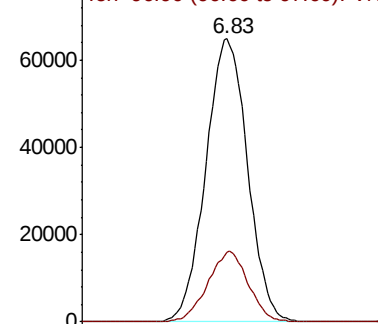
77 100

97 24.0 12.0 36.0

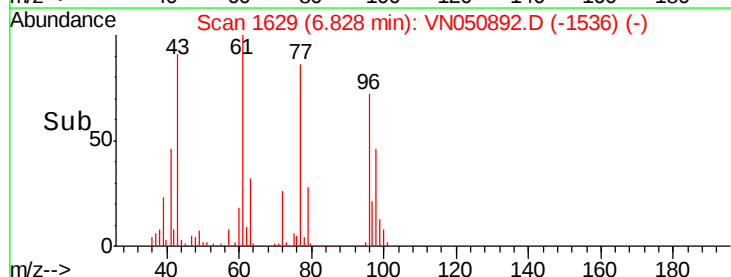


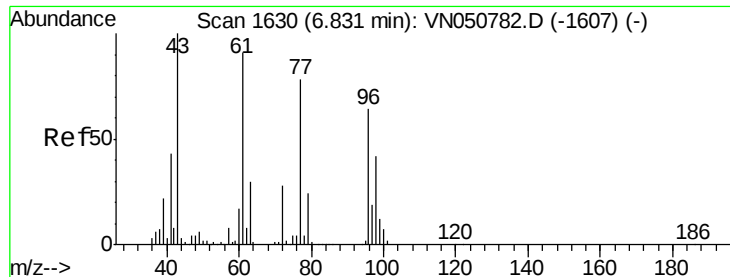
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.98 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

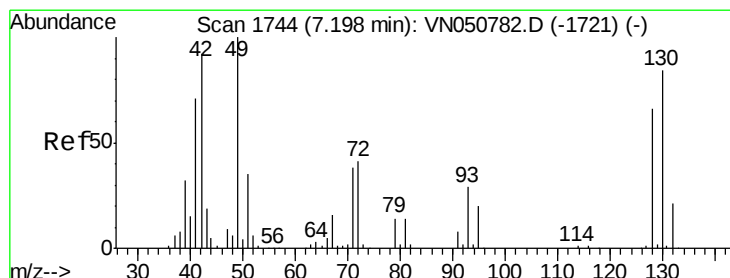
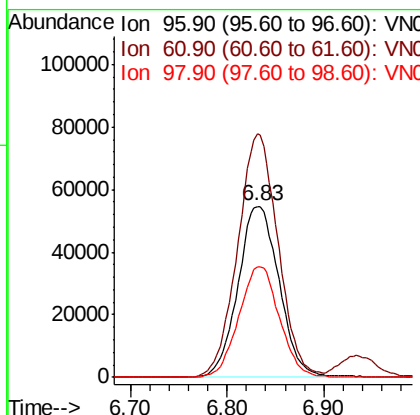
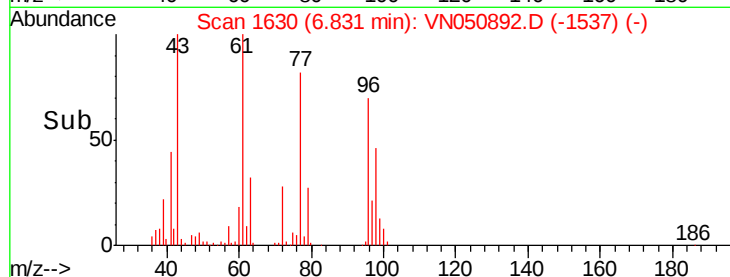
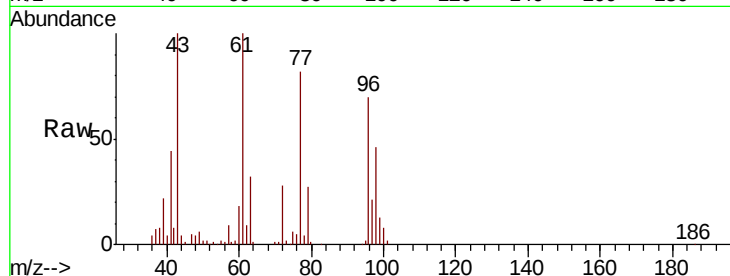
ClientSampleId :

VN0827WBSD01

Tot Ion:	96	Resp:	161345
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	283.4
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 19.74 ug/l

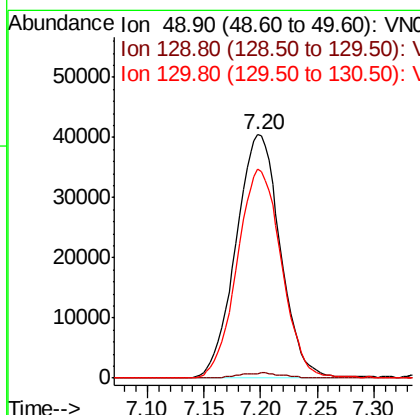
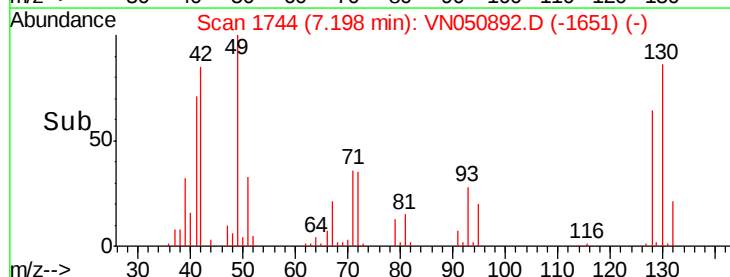
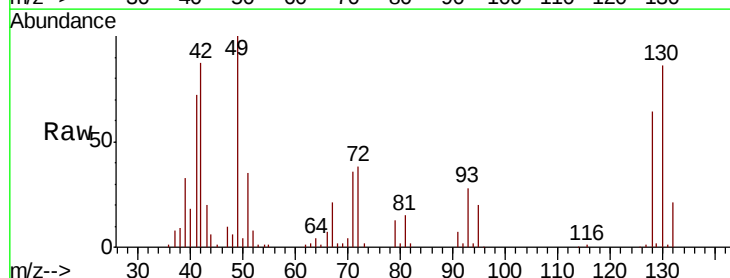
RT: 7.20 min Scan# 1744

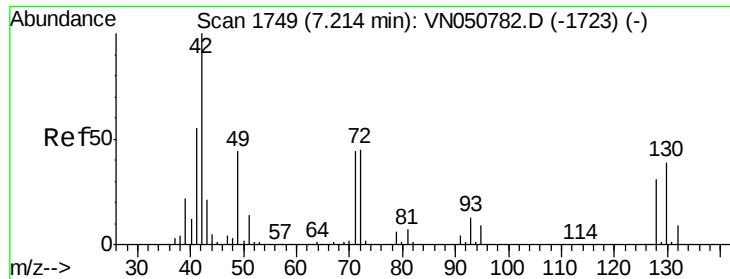
Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	49	Resp:	110293
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	85.9	67.1	100.7





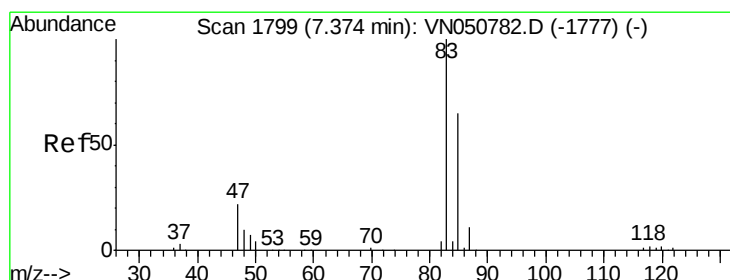
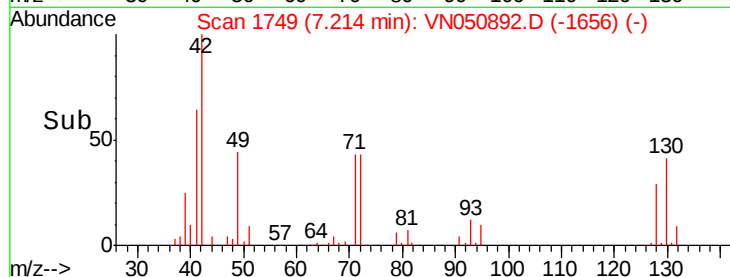
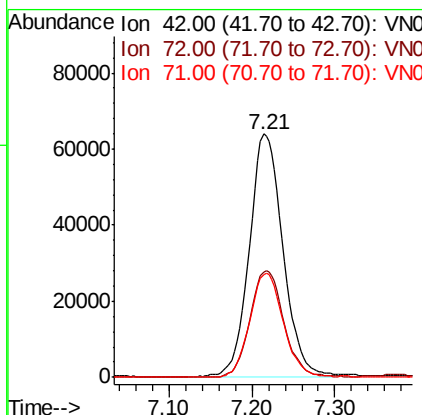
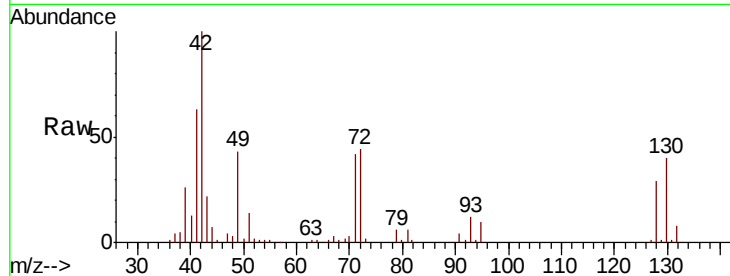
#29
Tetrahydrofuran
Concen: 109.90 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.5	53.3
71	42.8	33.7	50.5

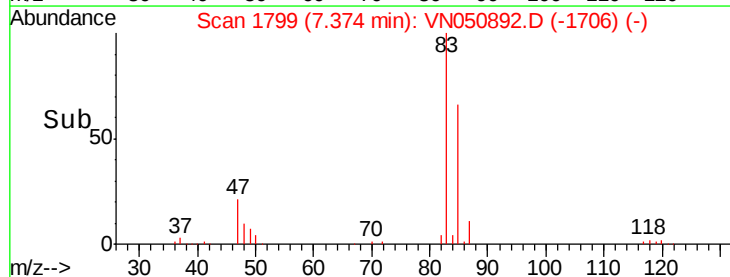
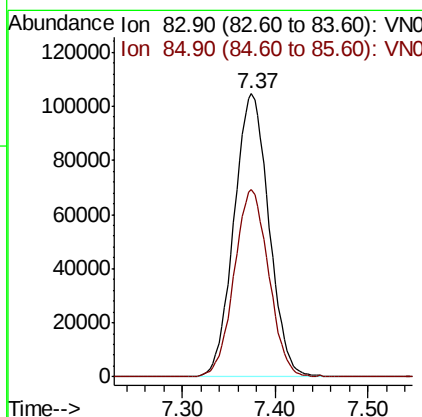
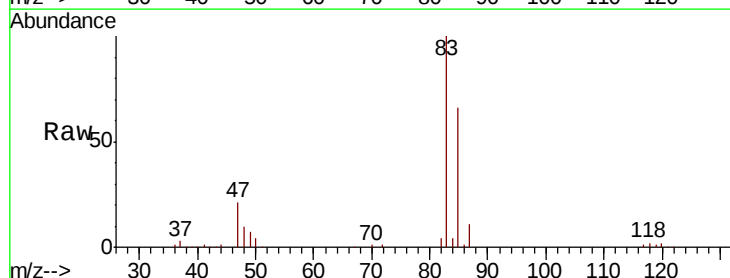
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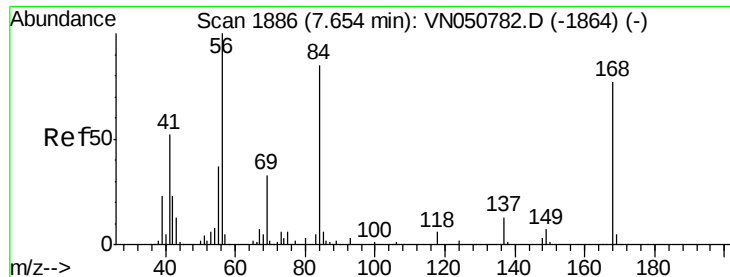
MMDadoda
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#30
Chloroform
Concen: 20.98 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.4





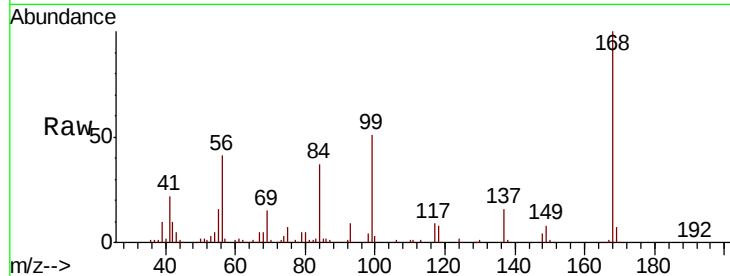
#31
Cyclohexane
Concen: 18.43 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

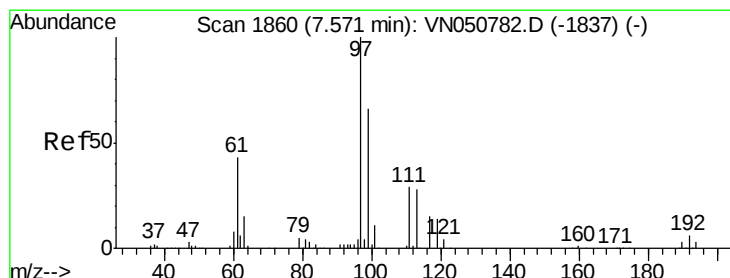
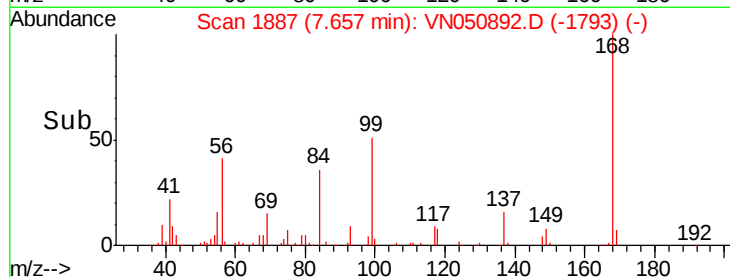
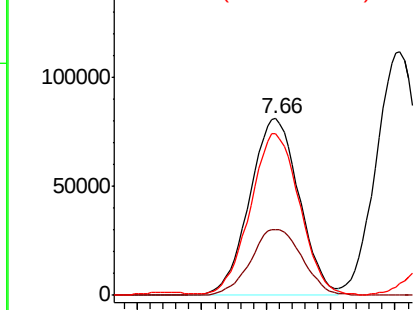
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	26.2	39.4
84	90.4	68.3	102.5

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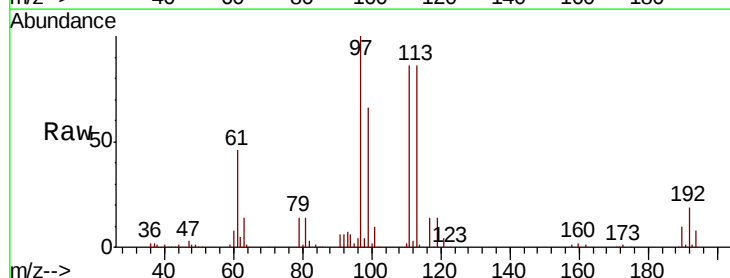


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

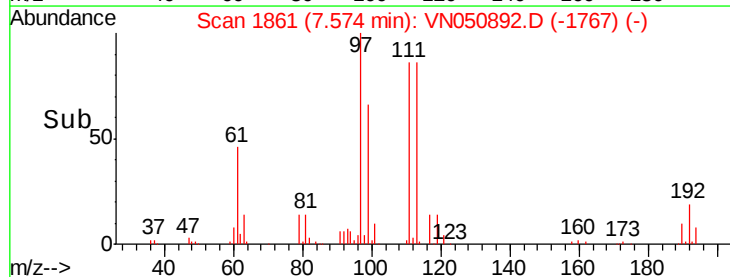
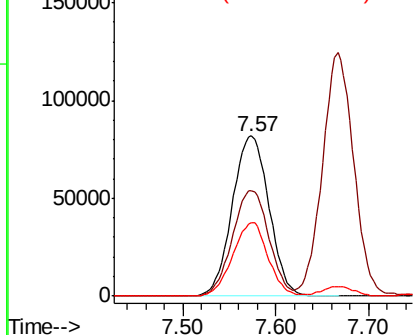


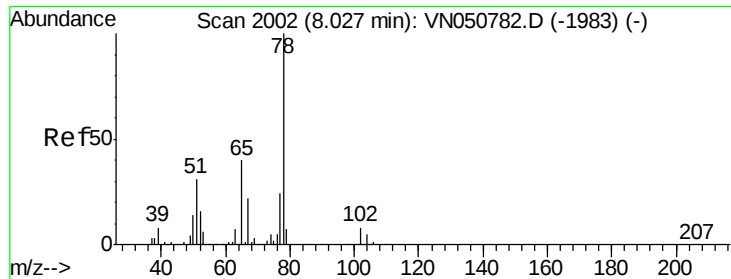
#32
1,1,1-Trichloroethane
Concen: 20.07 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.8	77.6
61	44.2	34.9	52.3



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





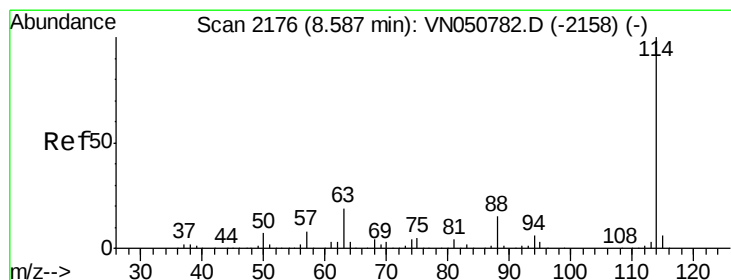
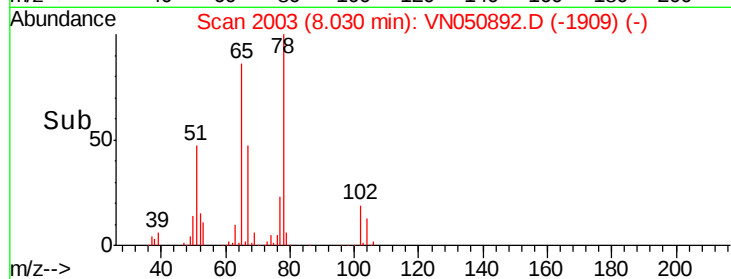
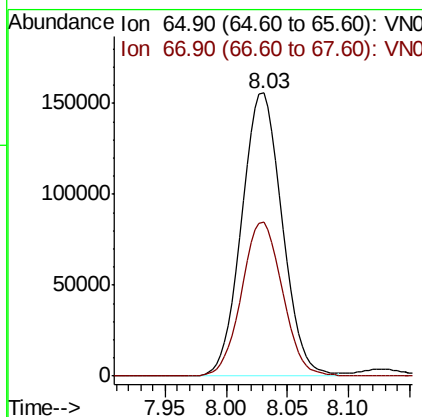
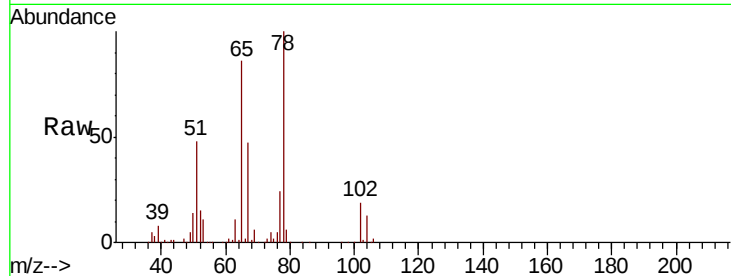
#33
 1,2-Dichloroethane-d4
 Concen: 50.65 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	110.4	

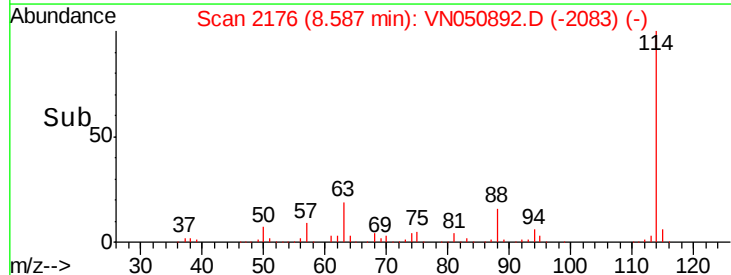
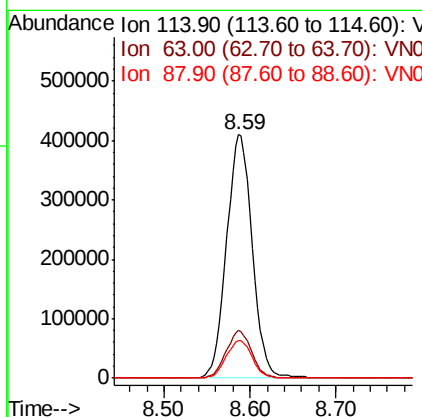
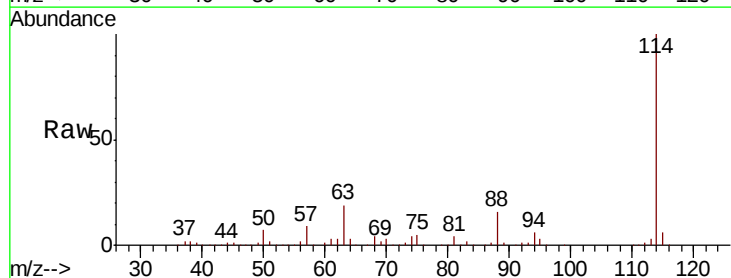
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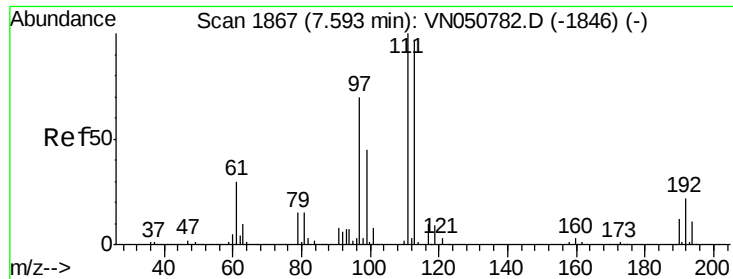
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	38.6	
88	15.6	0.0	30.6	





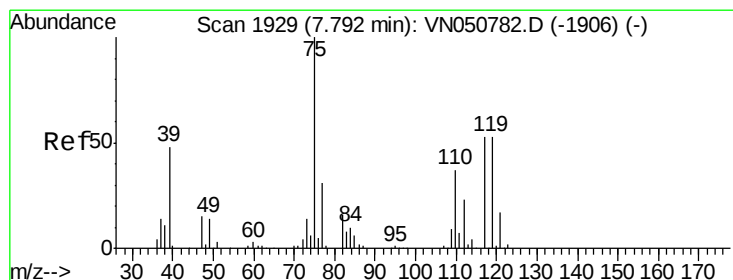
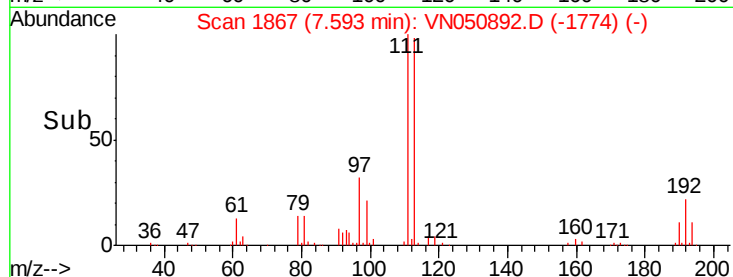
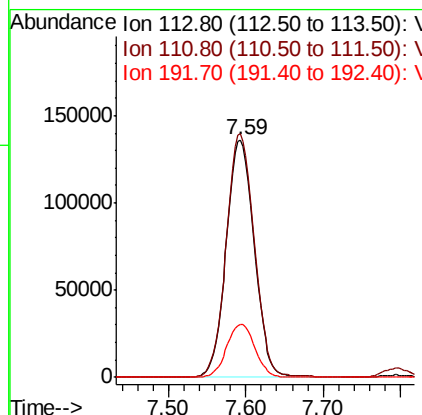
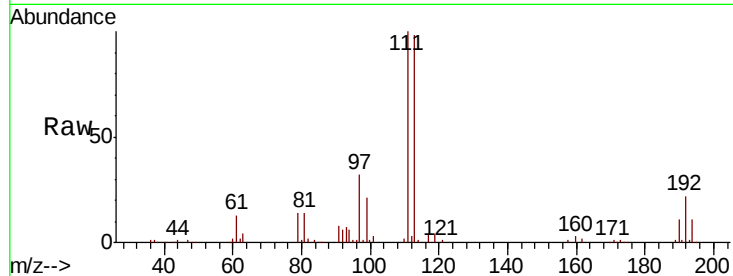
#35
 Dibromofluoromethane
 Concen: 50.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342521		
111	101.9	82.6	123.8	
192	22.5	18.0	27.0	

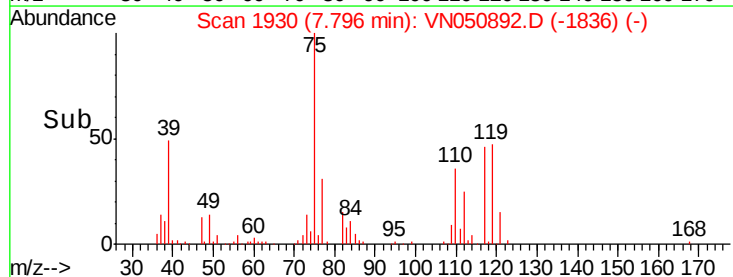
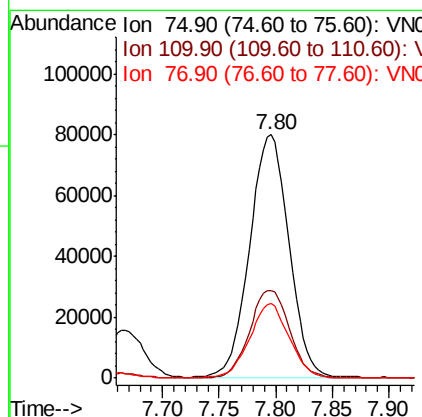
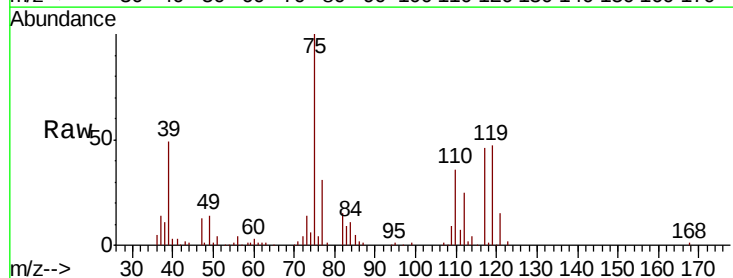
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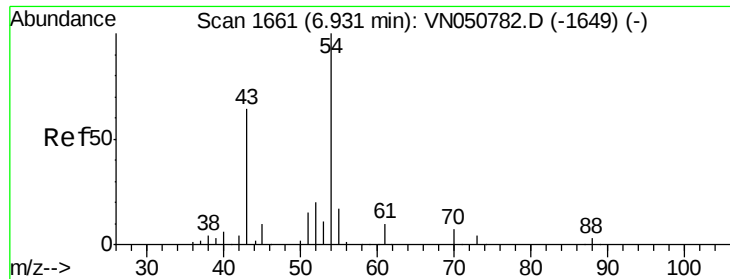
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#36
 1,1-Dichloropropene
 Concen: 19.20 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192525		
110	36.8	18.1	54.4	
77	31.2	24.8	37.2	





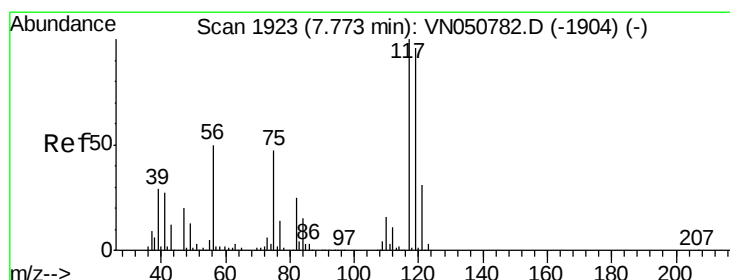
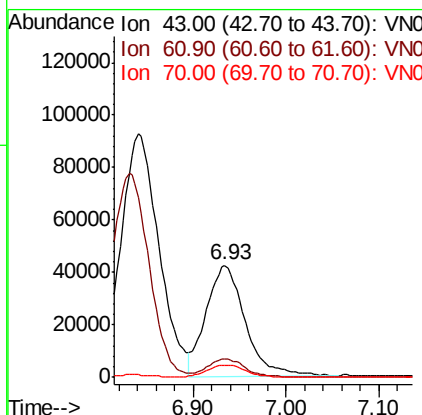
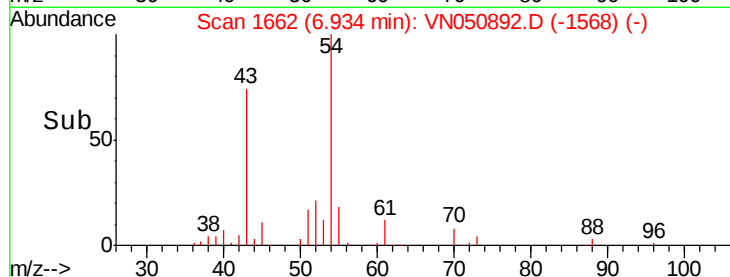
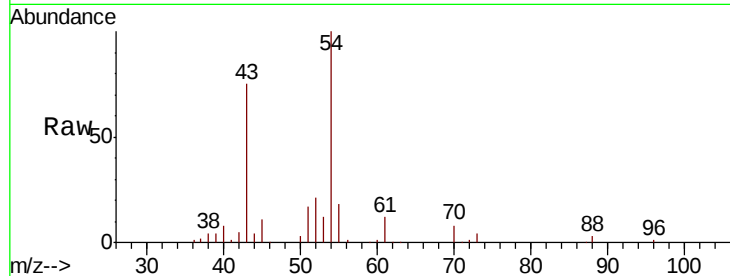
#37
Ethyl Acetate
Concen: 21.34 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	6.3	8.6	13.0

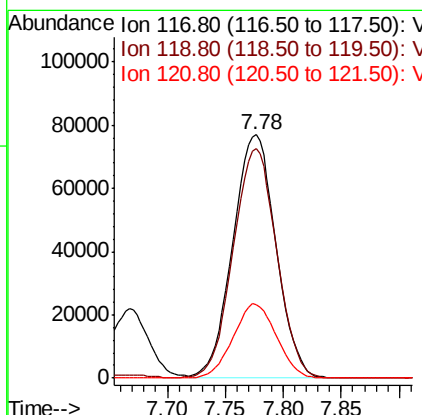
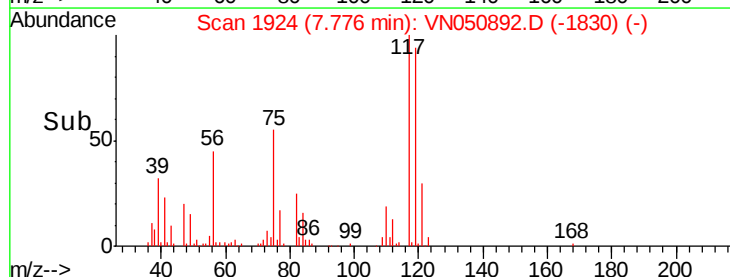
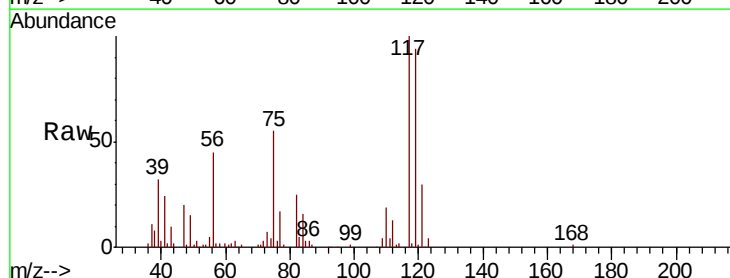
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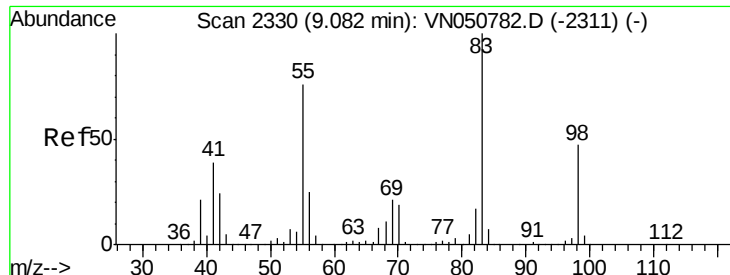
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#38
Carbon Tetrachloride
Concen: 19.62 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.3	114.5
121	30.4	24.6	36.8





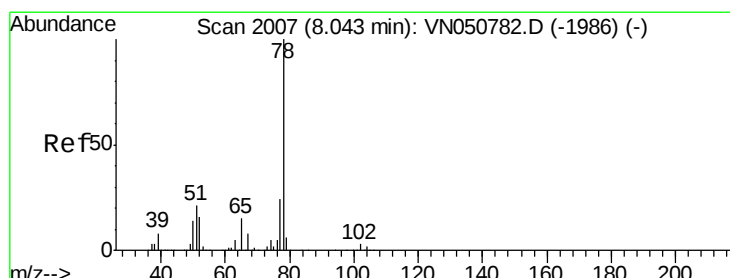
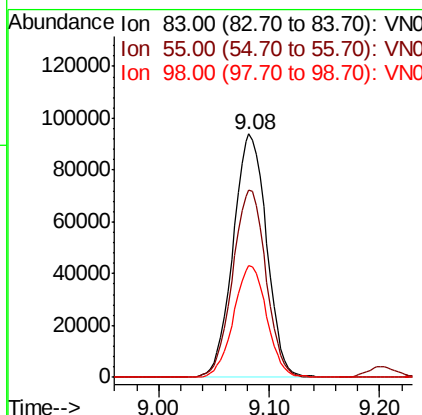
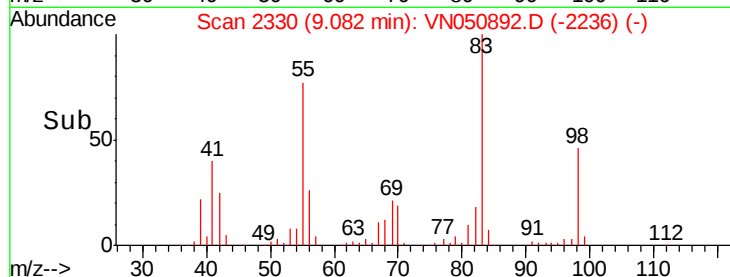
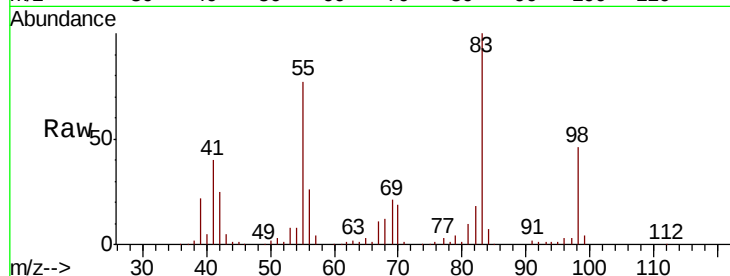
#39
Methvlcvclohexane
Concen: 18.19 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	46.0	37.5	56.3

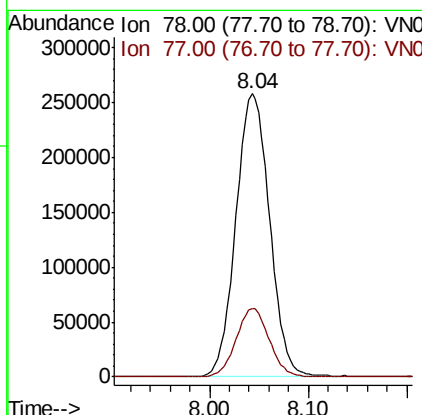
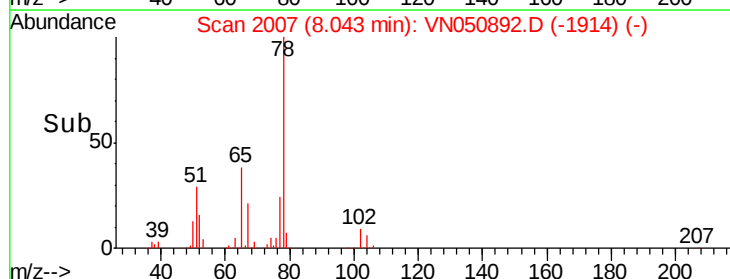
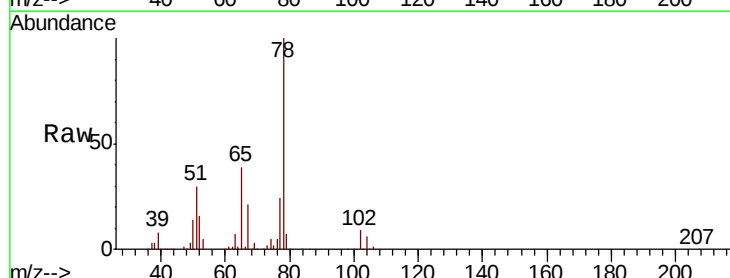
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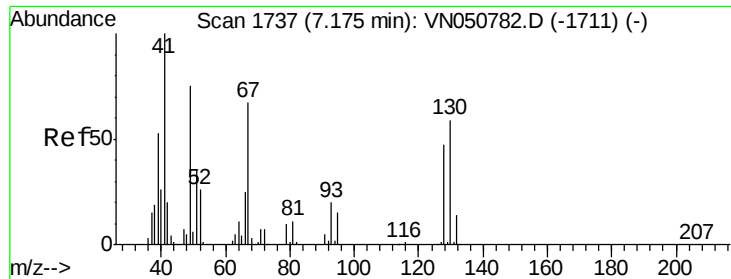
MMDadoda
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#40
Benzene
Concen: 20.26 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





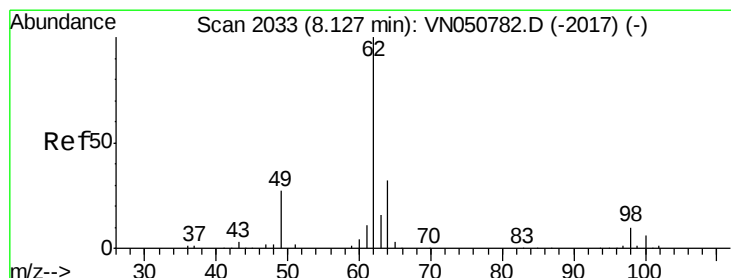
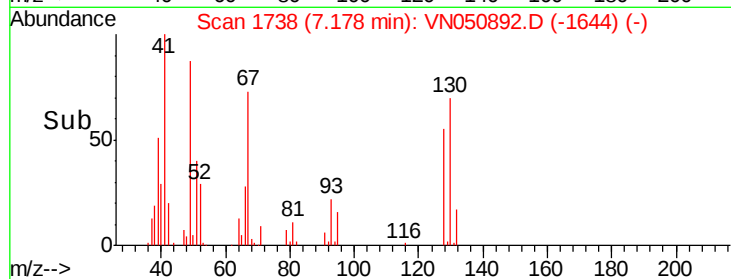
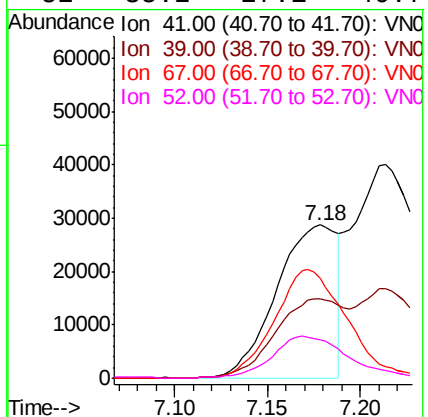
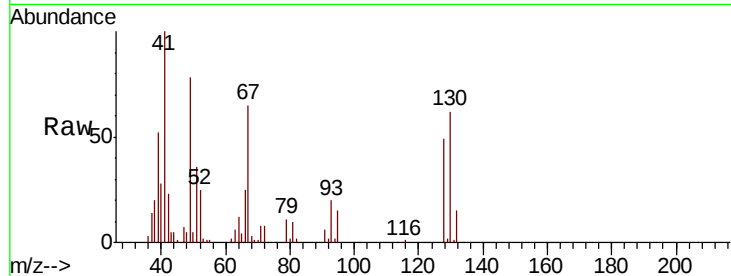
#41
Methacrylonitrile
Concen: 20.84 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.2	45.4	68.0	
67	85.7	70.6	106.0	
52	35.2	27.1	40.7	

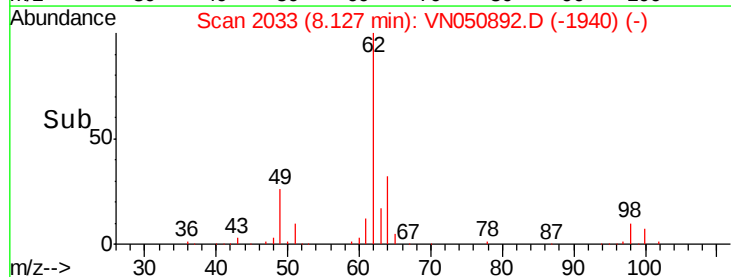
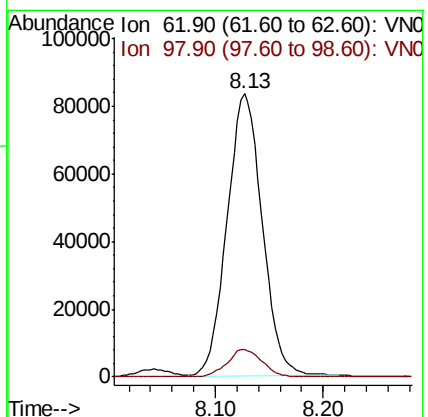
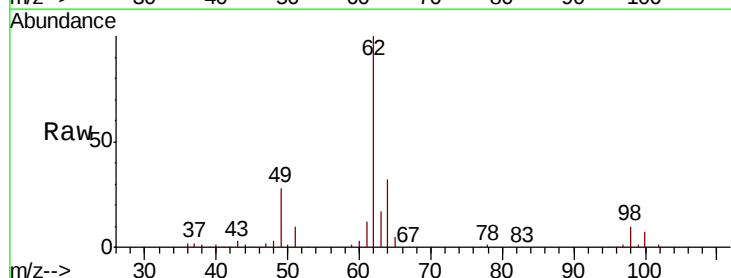
Manual Integrations
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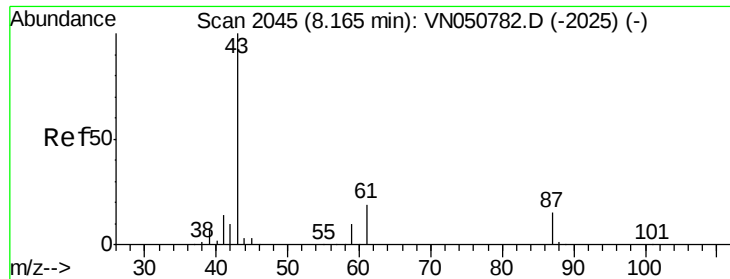
MMDadoda
8/28/2018 12:20:23 PM



#42
1,2-Dichloroethane
Concen: 20.97 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.6	





#43

Isopropyl Acetate

Concen: 23.10 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

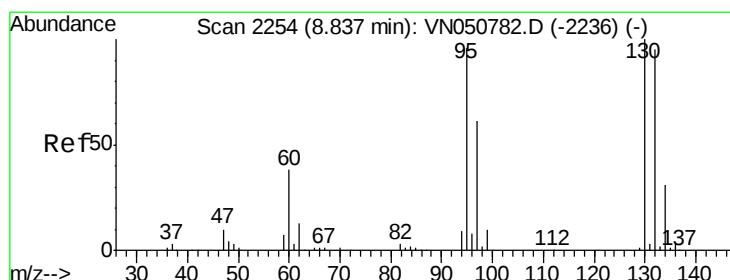
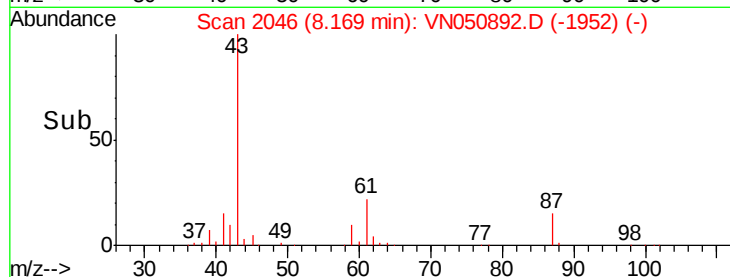
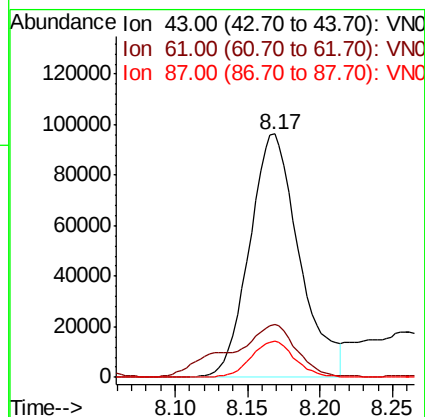
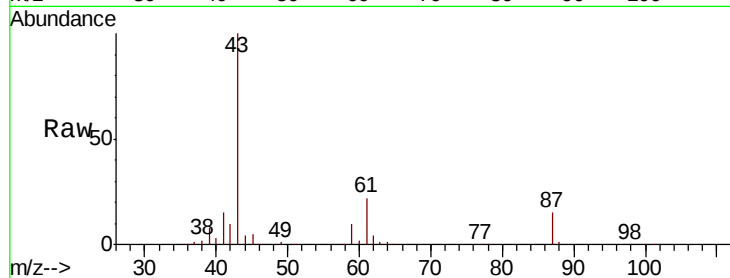
ClientSampleId :

VN0827WBSD01

Tot Ion:	43	Resp:	228864
Ion	Ratio	Lower	Upper
43	100		
61	28.8	17.5	26.3#
87	13.1	11.3	16.9

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#44

Trichloroethene

Concen: 19.73 ug/l

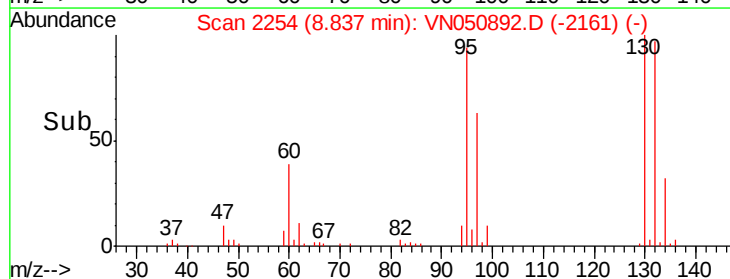
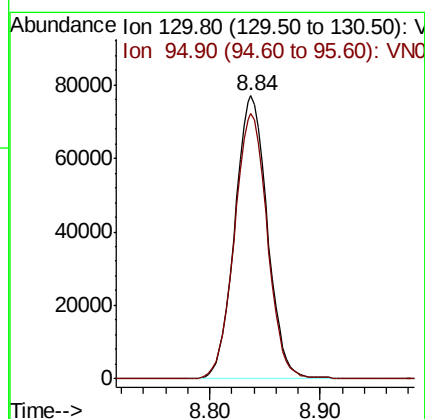
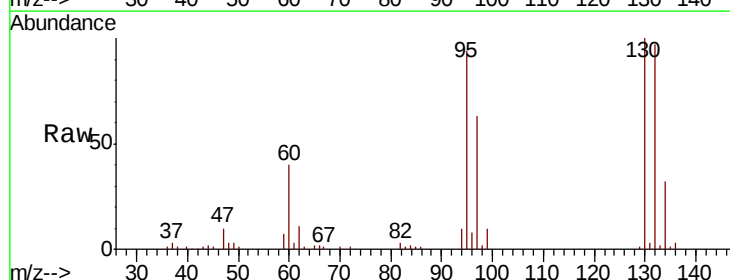
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	130	Resp:	157382
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	193.0





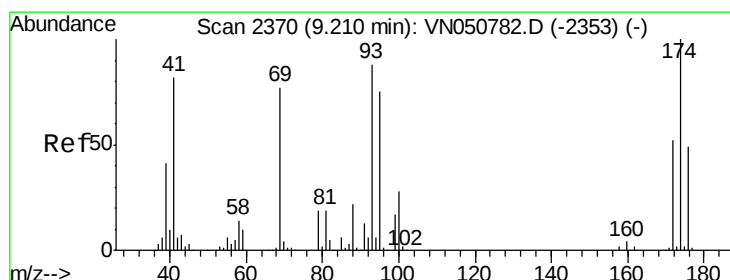
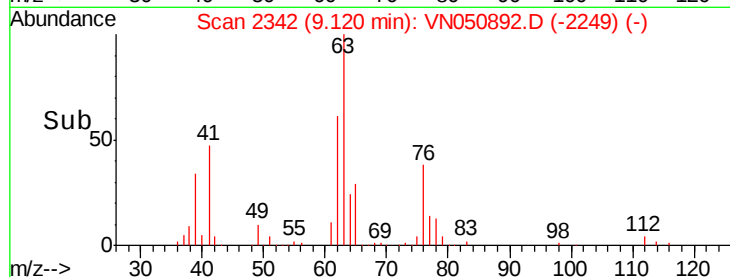
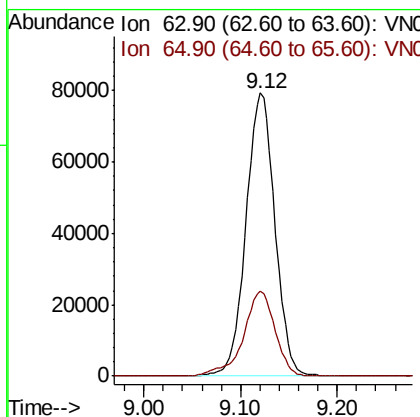
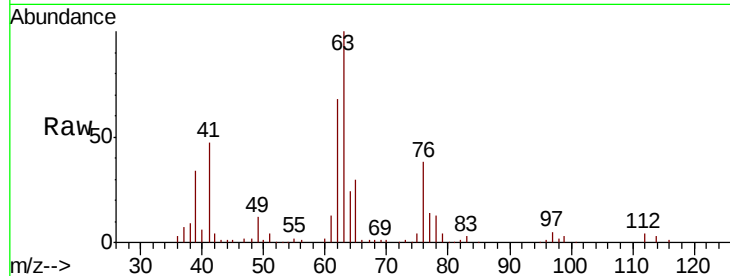
#45
 1,2-Dichloropropane
 Concen: 20.74 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion: 63 Resp: 164852
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

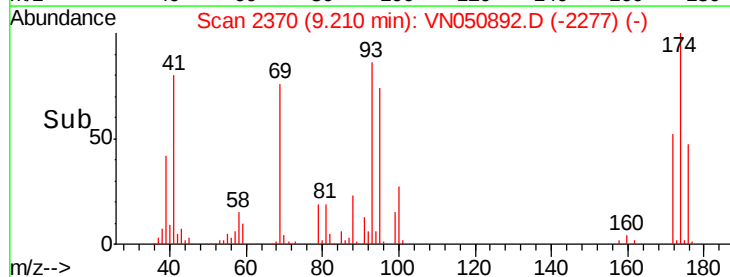
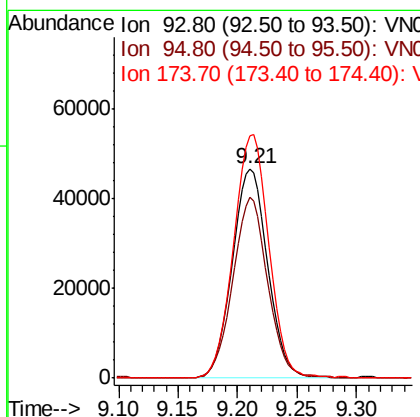
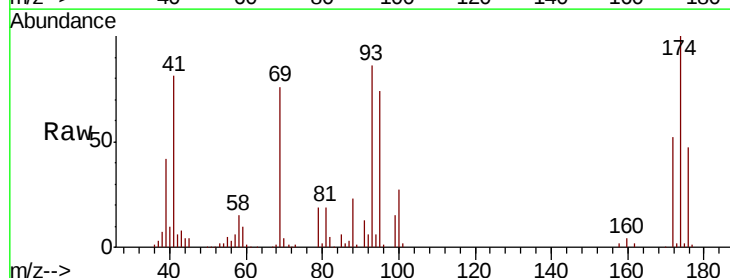
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#46
 Dibromomethane
 Concen: 20.66 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 93 Resp: 96504
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.7 100.1
 174 115.6 89.8 134.6





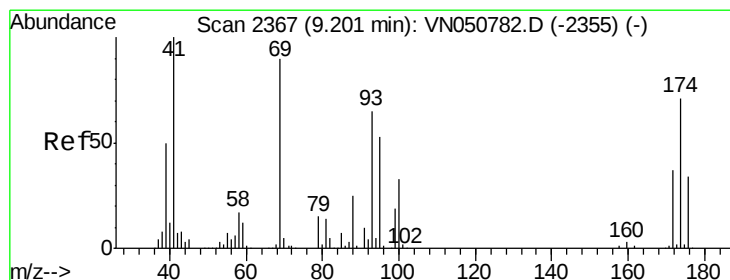
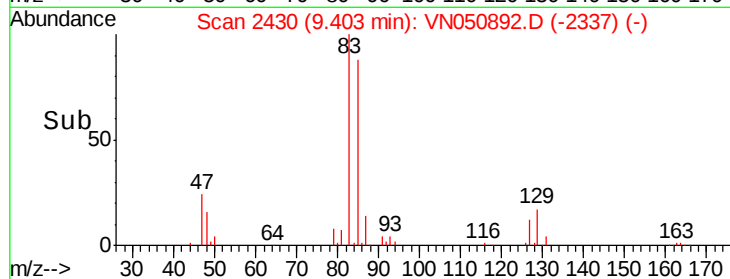
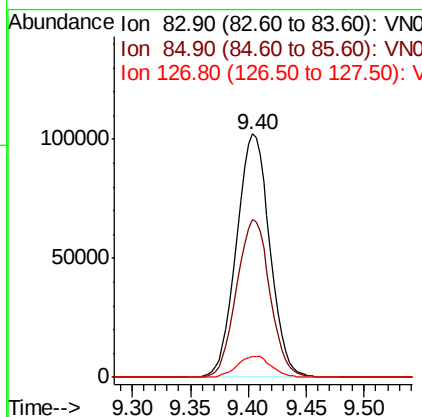
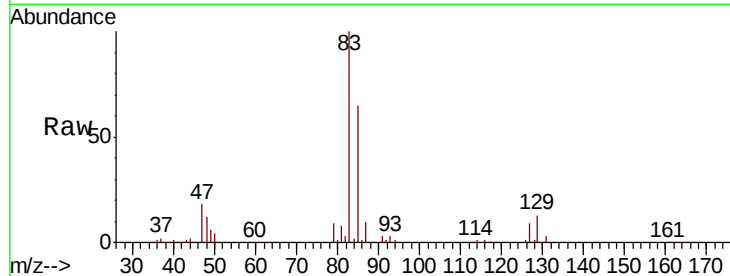
#47
 Bromodichloromethane
 Concen: 20.83 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion	83	Resp	203716
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.6	78.8
127	8.7	7.2	10.8

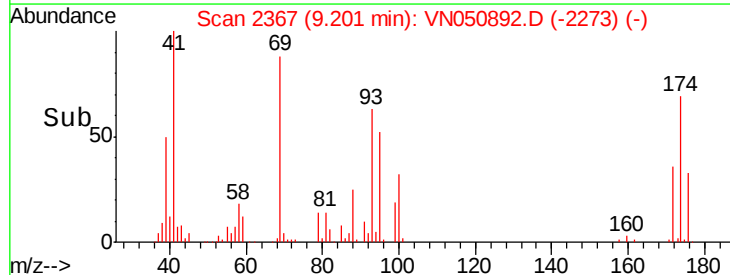
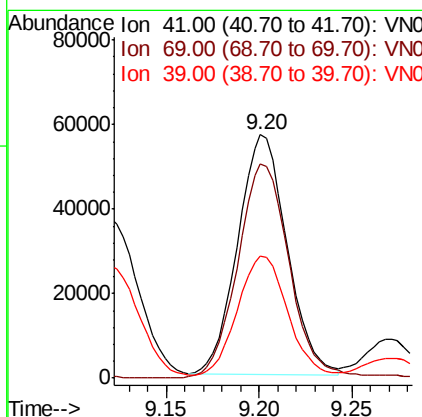
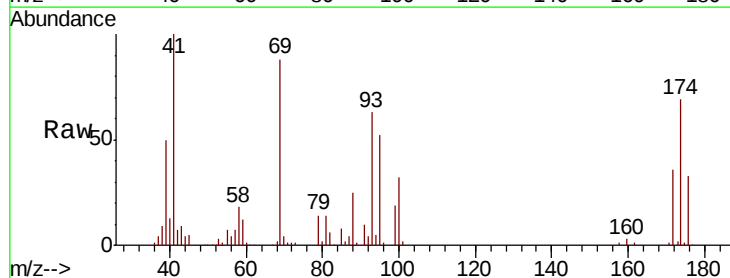
Manual Integrations
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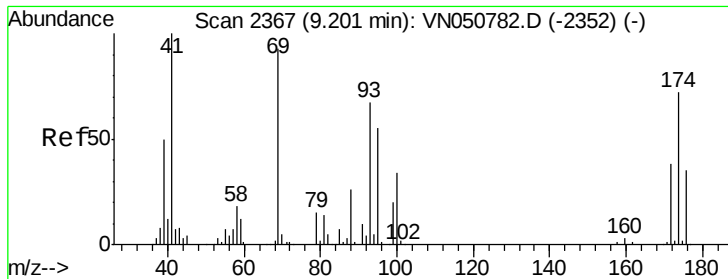
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#48
 Methyl methacrylate
 Concen: 20.77 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	41	Resp	104838
Ion Ratio	100	Lower	Upper
41	100		
69	94.2	74.7	112.1
39	52.3	42.2	63.2





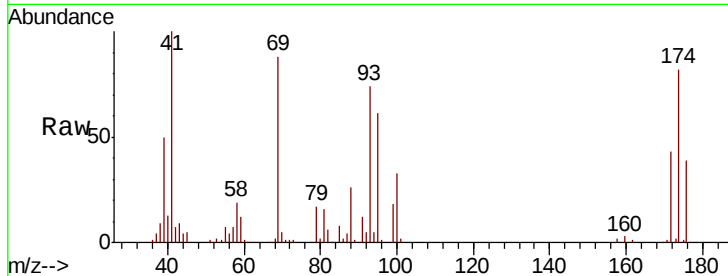
#49
1,4-Dioxane
Concen: 439.07 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.9	38.9
58	69.7	55.0	82.4

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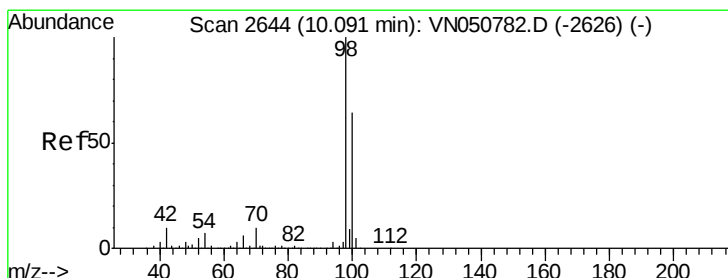
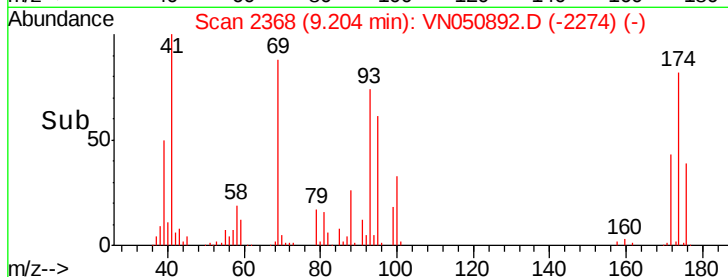
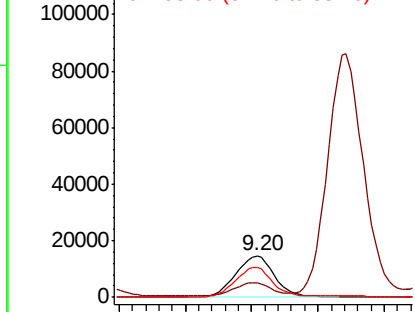


Abundance

Ion 88.00 (87.70 to 88.70): VN0

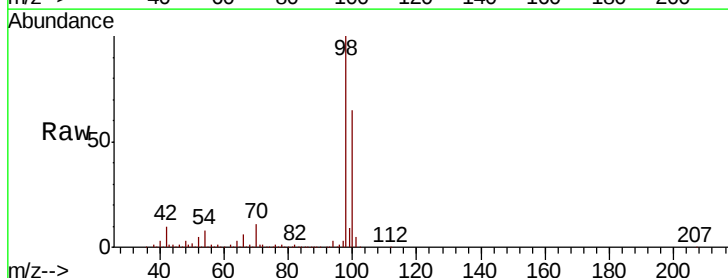
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 48.92 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

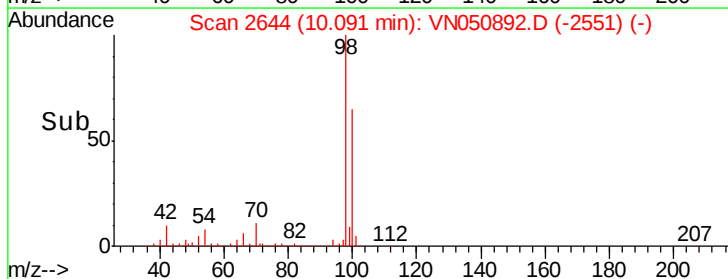
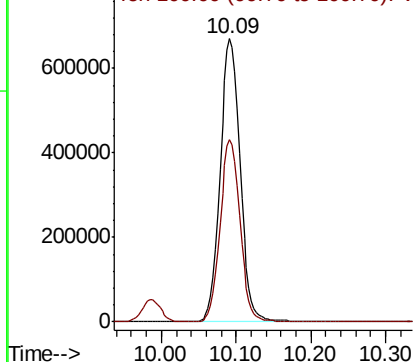
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3

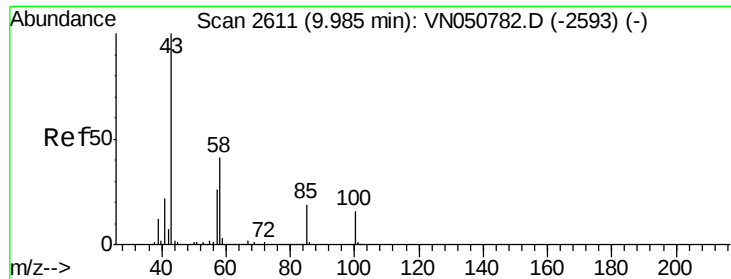


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.63 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 43 Resp: 606681

Ion Ratio Lower Upper

43 100

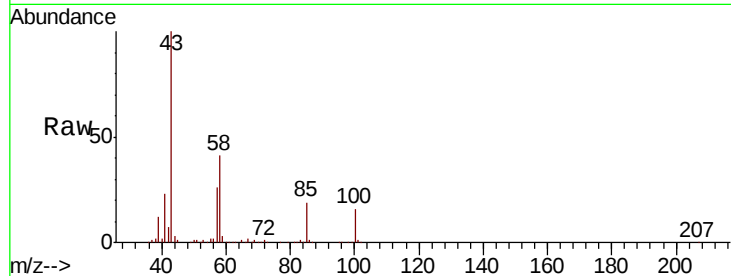
58 40.7 32.4 48.6

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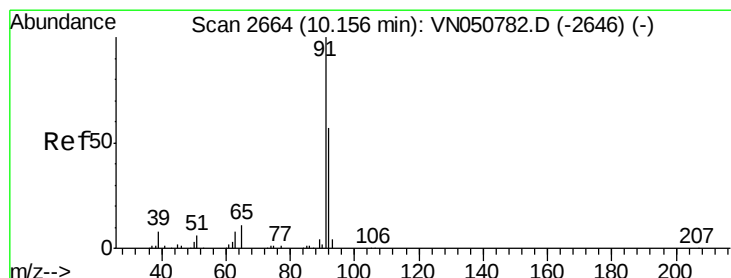
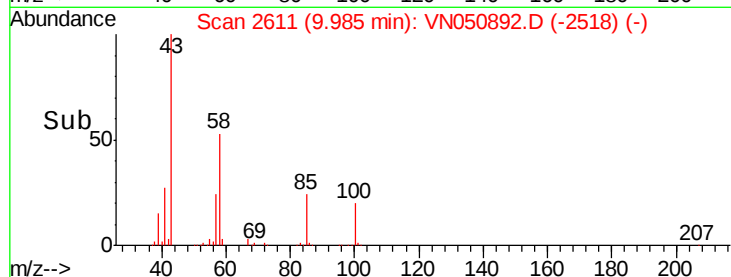
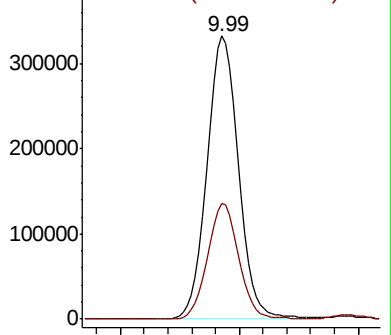
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.64 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050892.D

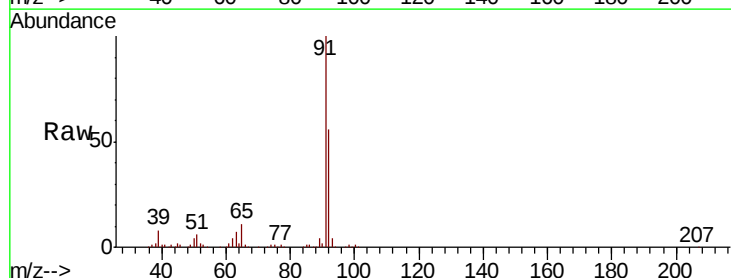
Acq: 27 Aug 2018 12:30

Tgt Ion: 92 Resp: 369850

Ion Ratio Lower Upper

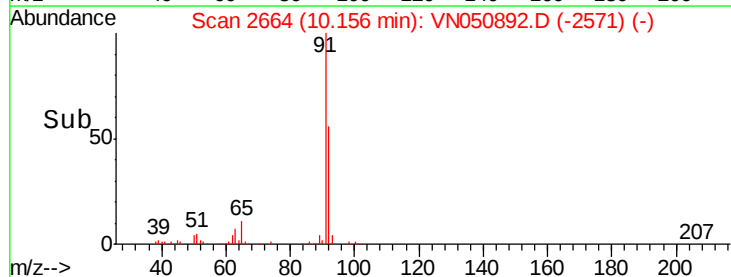
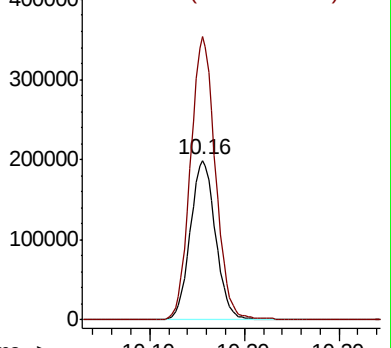
92 100

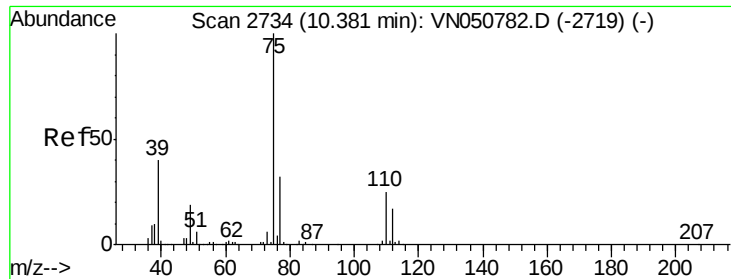
91 175.7 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





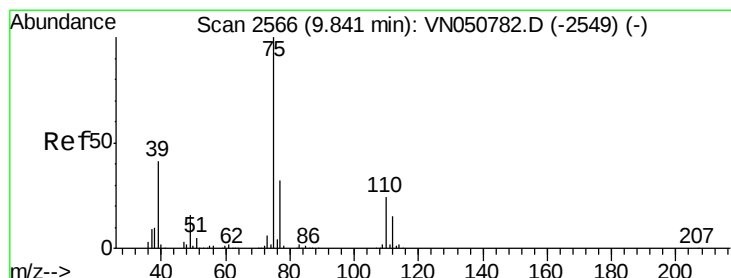
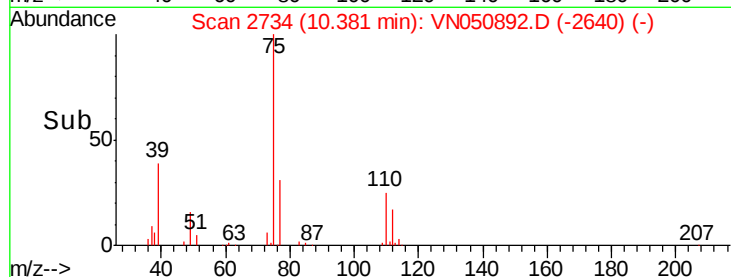
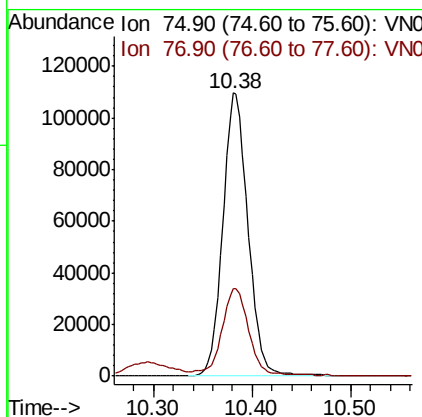
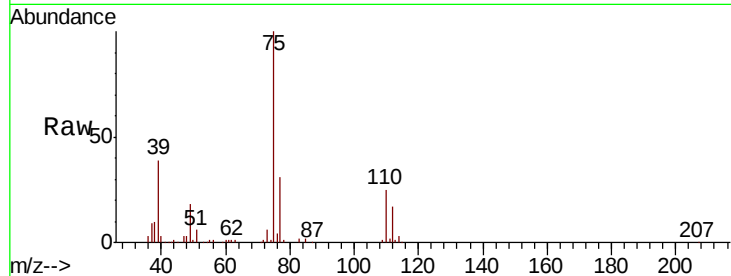
#53
t-1,3-Dichloropropene
Concen: 20.19 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.7	38.5

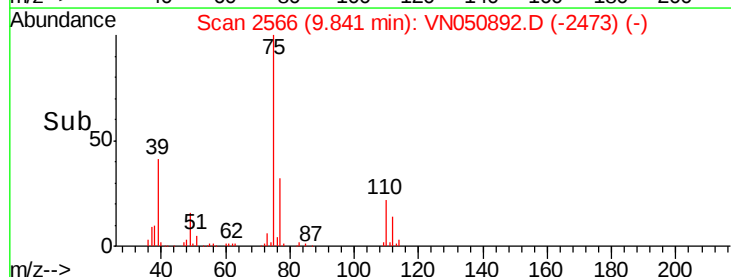
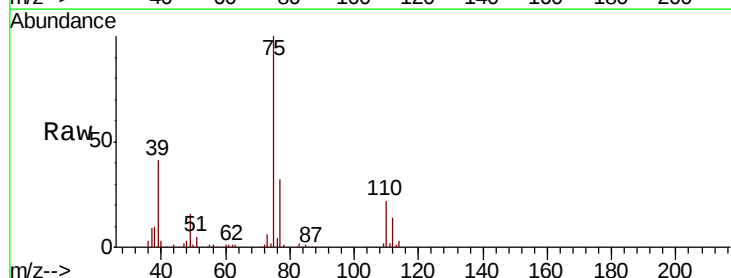
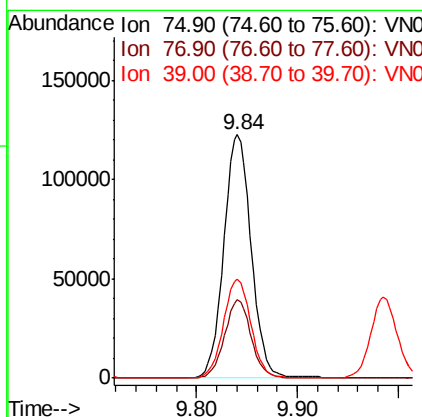
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#54
cis-1,3-Dichloropropene
Concen: 20.87 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	40.5	33.0	49.4





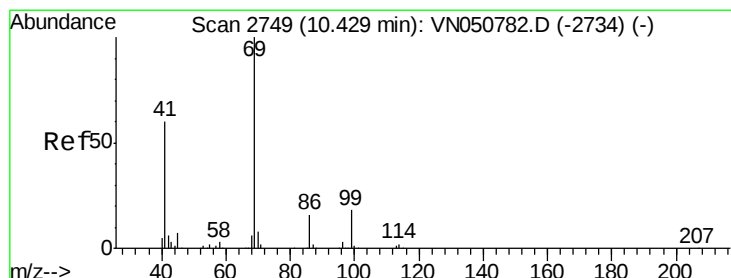
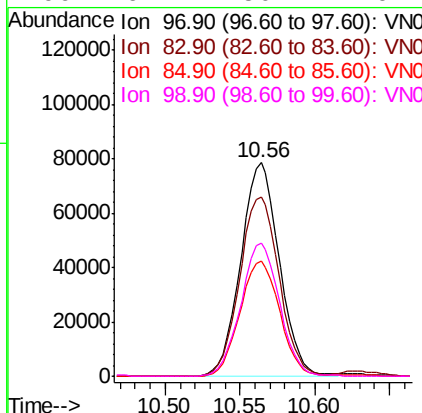
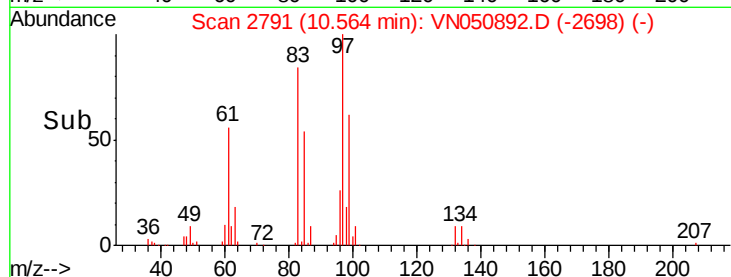
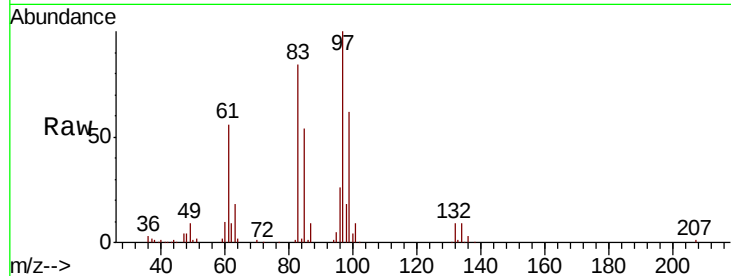
#55
 1,1,2-Trichloroethane
 Concen: 21.14 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion:	97	Resp:	140580
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.7	104.5
85	53.9	44.5	66.7
99	62.4	50.7	76.1

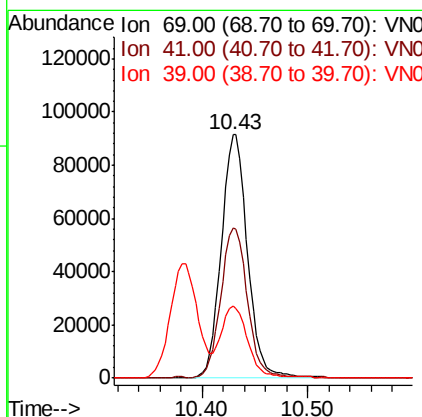
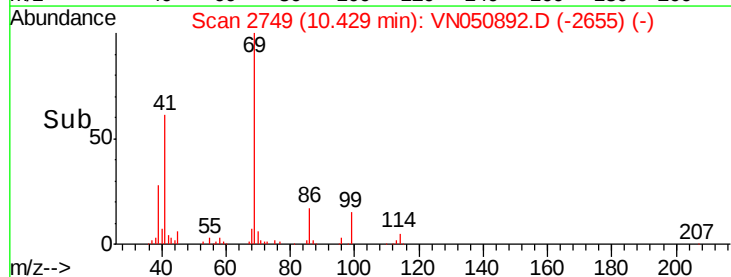
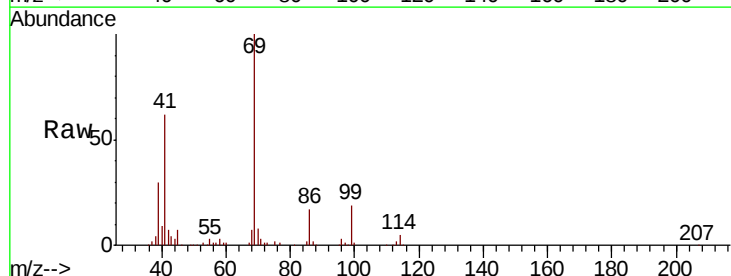
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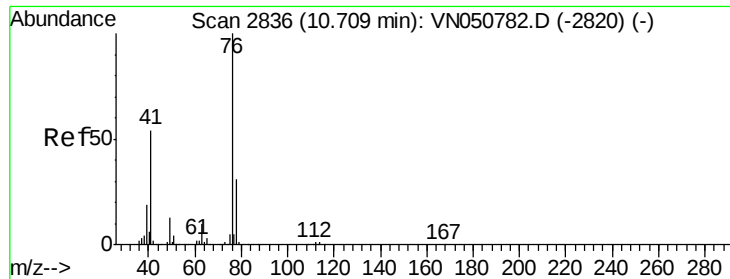
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#56
 Ethyl methacrylate
 Concen: 19.68 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion:	69	Resp:	157334
Ion	Ratio	Lower	Upper
69	100		
41	62.2	48.3	72.5
39	29.3	24.0	36.0





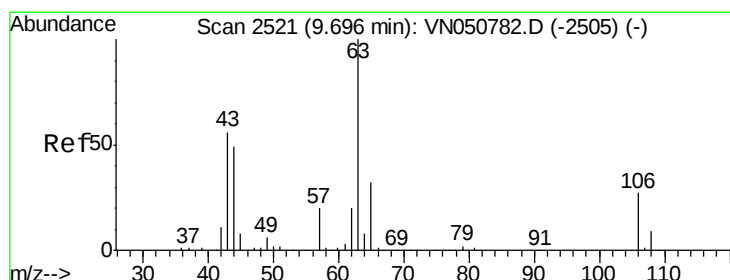
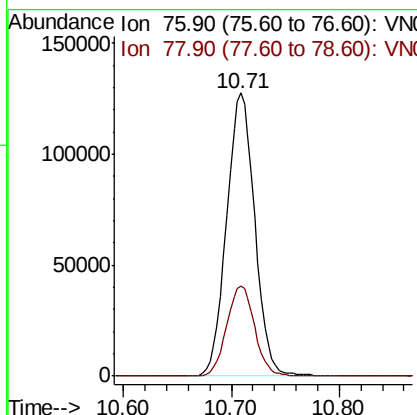
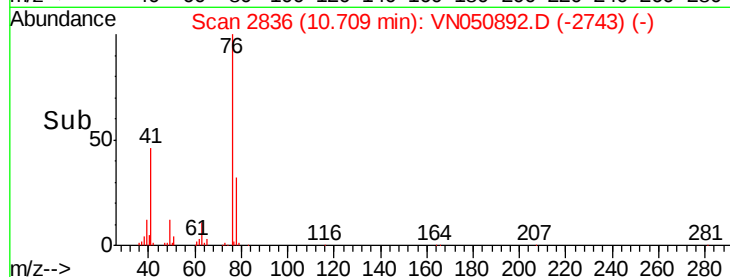
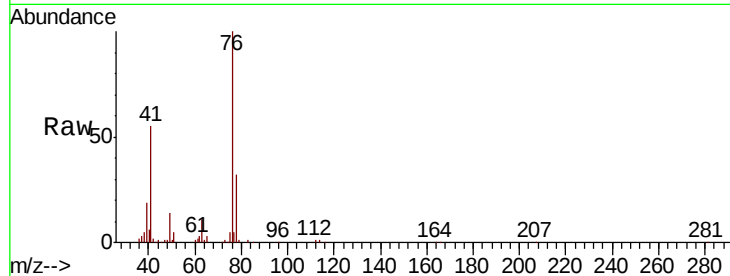
#57
 1,3-Dichloropropane
 Concen: 21.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion: 76 Resp: 231960
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

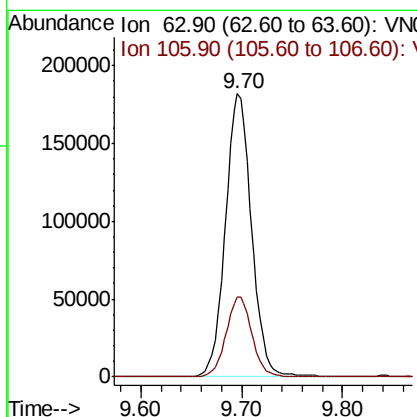
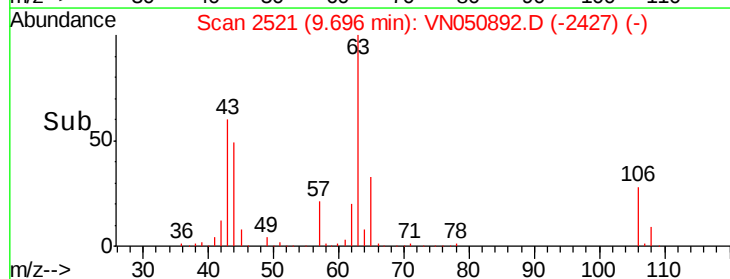
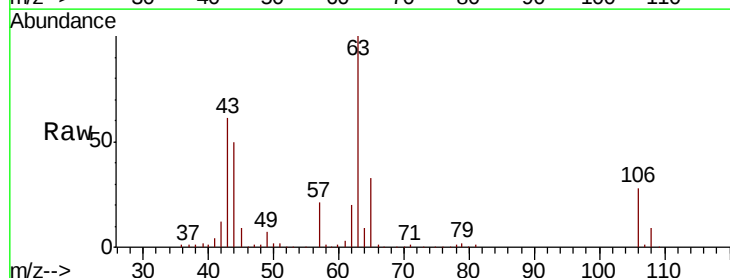
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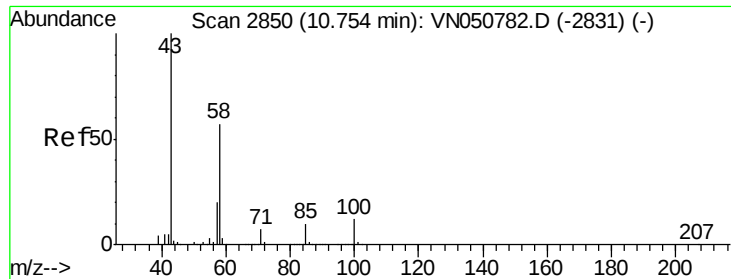
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.07 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion: 63 Resp: 328786
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.9 32.9





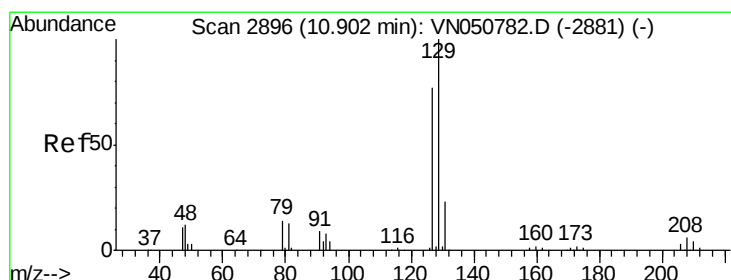
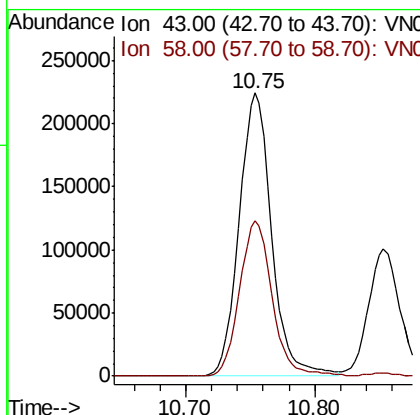
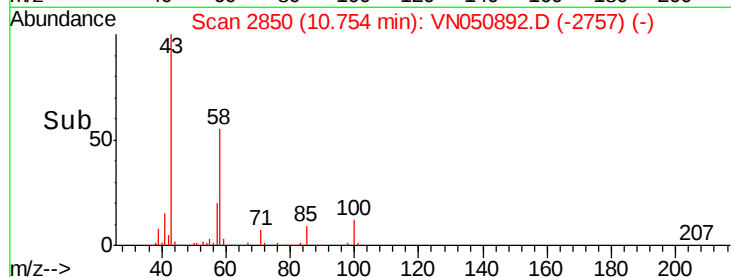
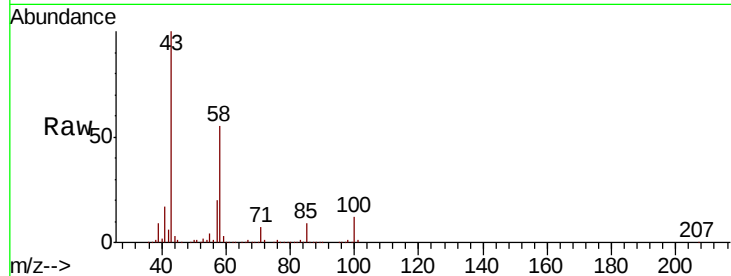
#59
2-Hexanone
Concen: 99.23 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion: 43 Resp: 390475
Ion Ratio Lower Upper
43 100
58 55.5 28.3 85.0

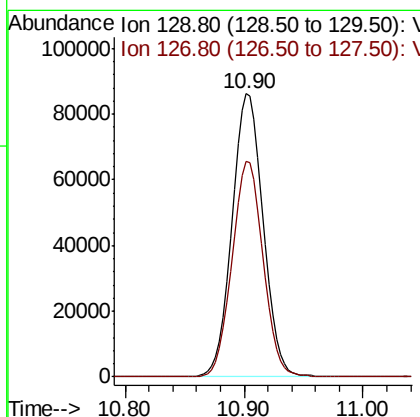
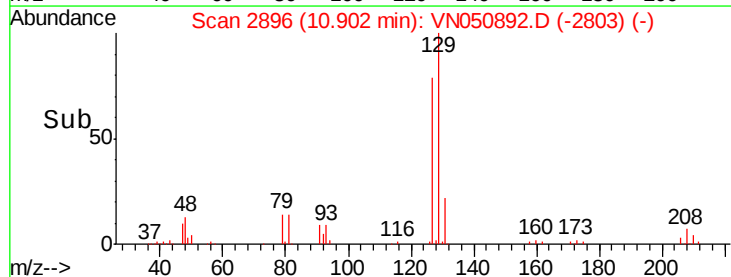
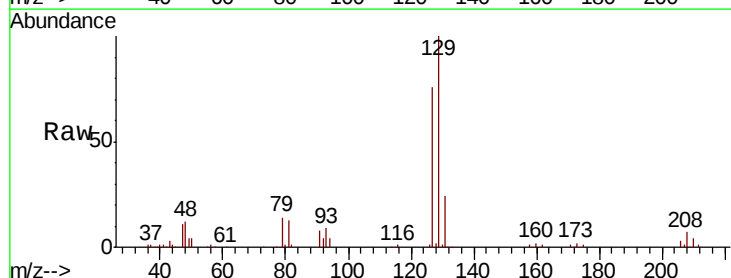
Manual Integrations
APPROVED

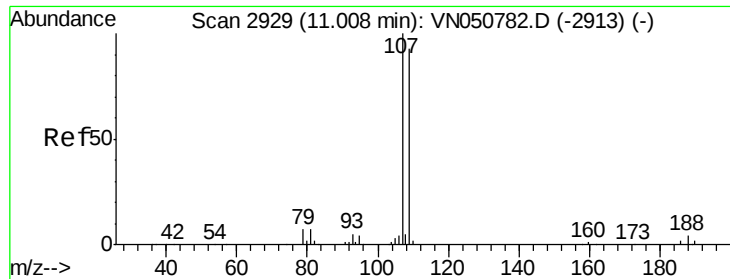
MMDadoda
8/28/2018 12:20:23 PM



#60
Dibromochloromethane
Concen: 20.97 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 129 Resp: 156151
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9





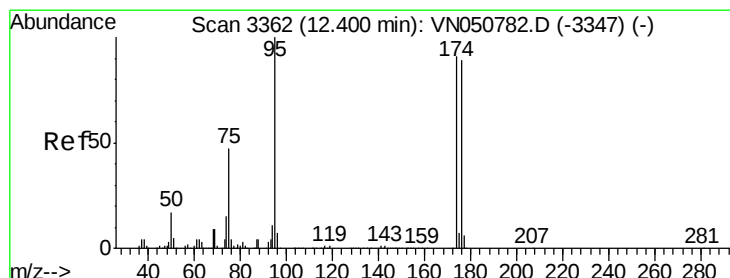
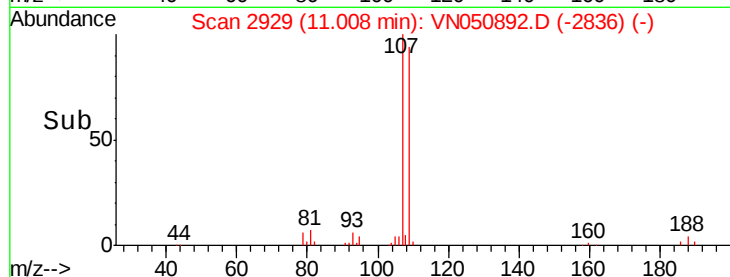
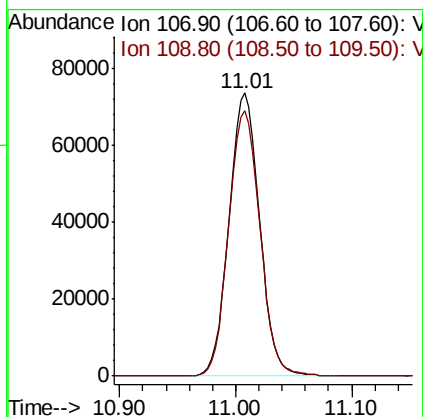
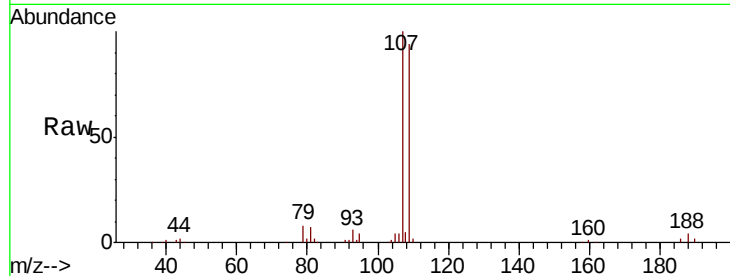
#61
 1,2-Dibromoethane
 Concen: 20.88 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.2

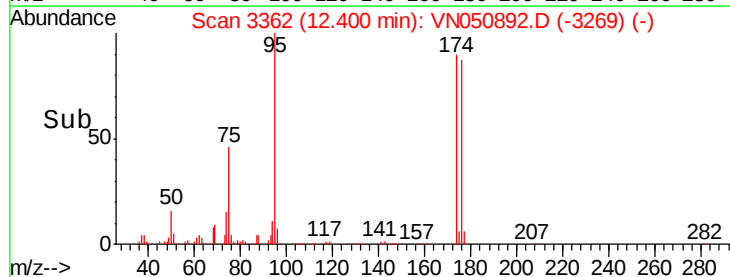
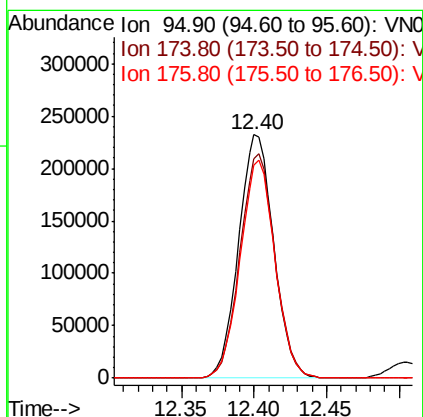
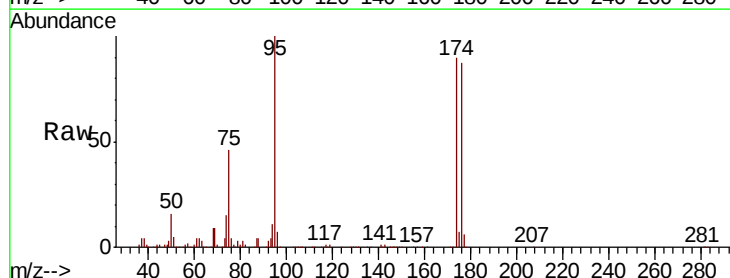
Manual Integrations
 APPROVED

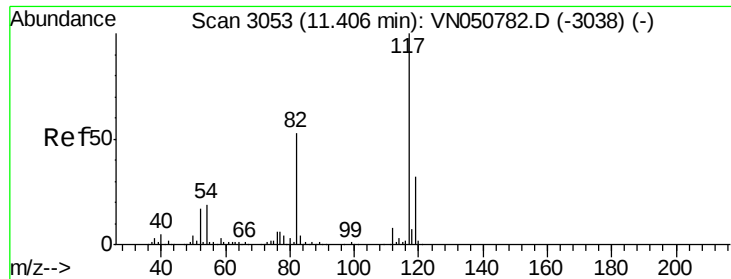
MMDadoda
 8/28/2018 12:20:23 PM



#62
 4-Bromofluorobenzene
 Concen: 46.55 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	183.0
176	88.8	0.0	178.8





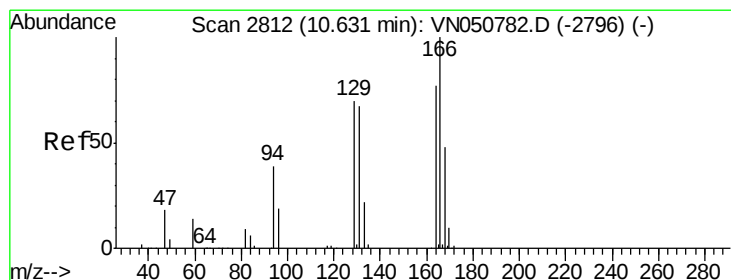
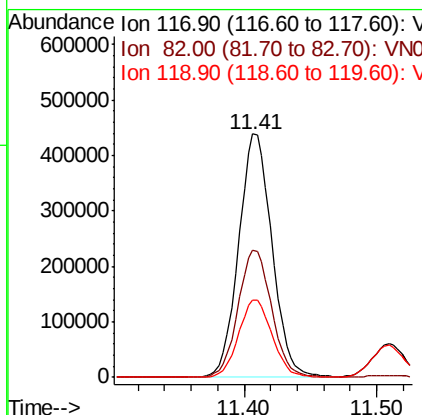
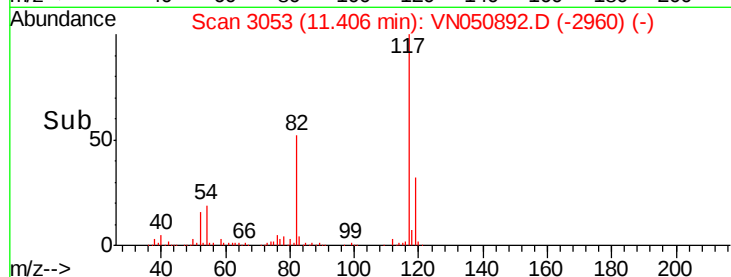
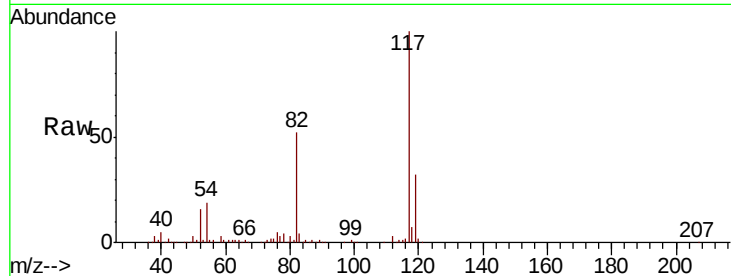
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	767272		
82	52.5		42.6	64.0
119	31.8		25.8	38.6

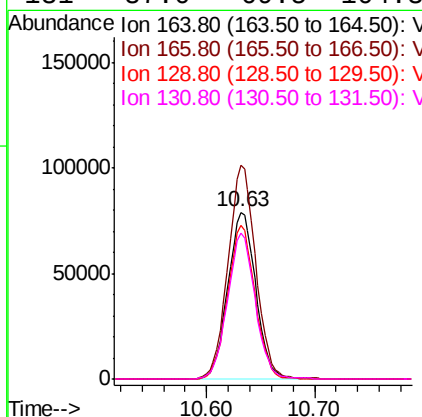
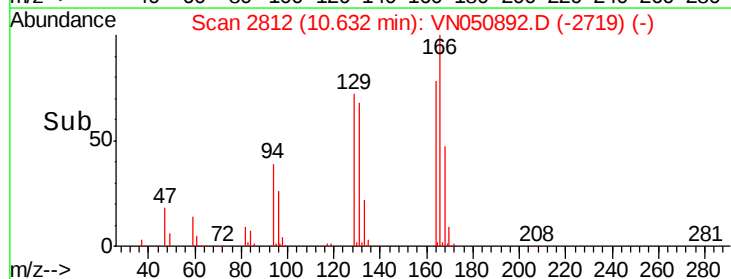
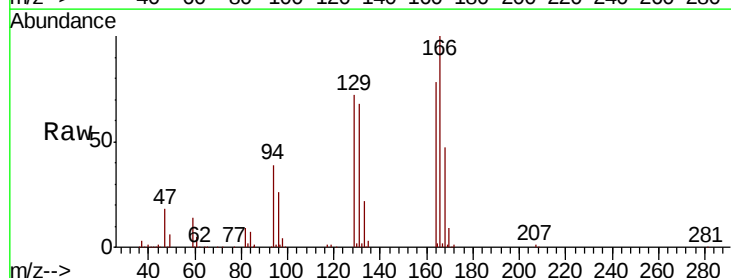
Manual Integrations
APPROVED

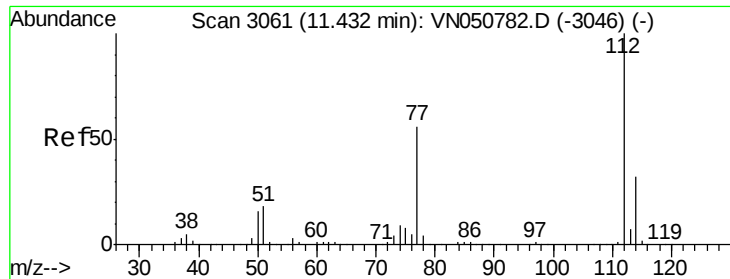
MMDadoda
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#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142808		
166	127.9		103.5	155.3
129	92.2		72.7	109.1
131	87.0		69.5	104.3





#65

Chlorobenzene

Concen: 19.93 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion:112 Resp: 399754

Ion Ratio Lower Upper

112 100

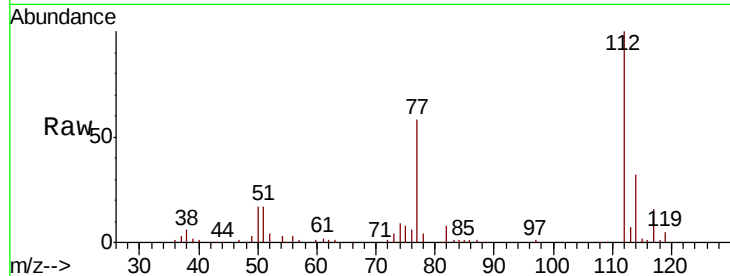
114 32.0 25.6 38.4

Manual Integrations

APPROVED

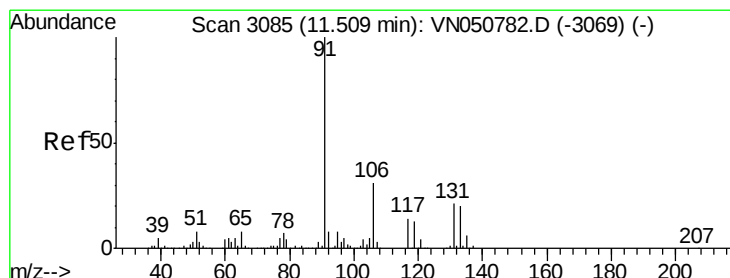
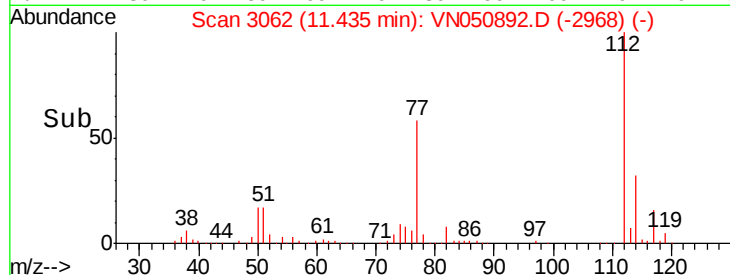
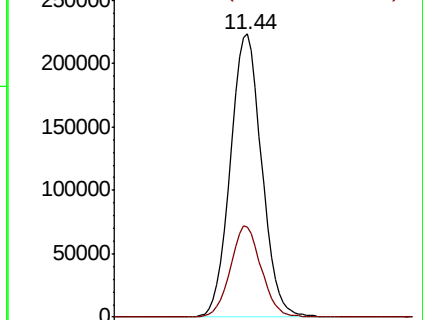
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.16 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

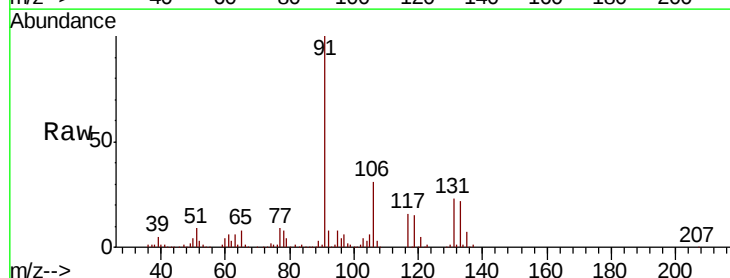
Tgt Ion:131 Resp: 155288

Ion Ratio Lower Upper

131 100

133 93.7 47.4 142.3

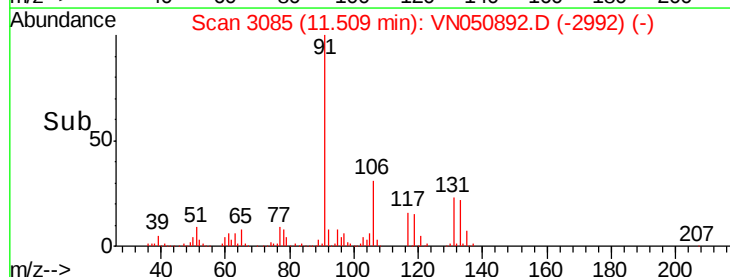
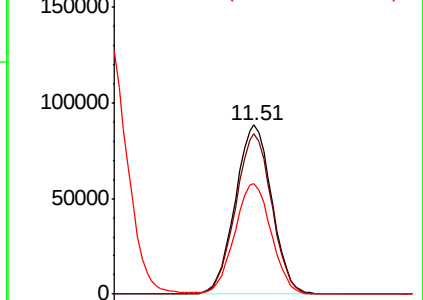
119 65.4 32.8 98.4

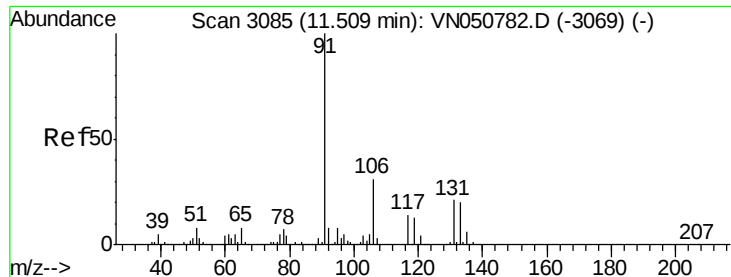


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





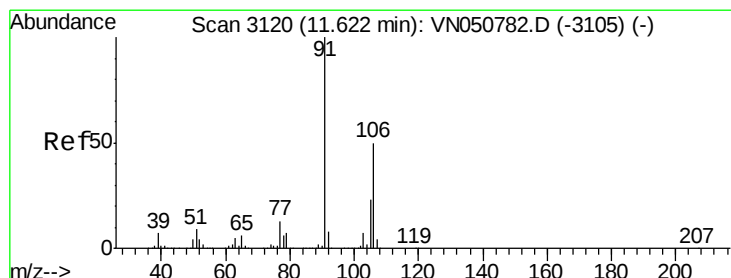
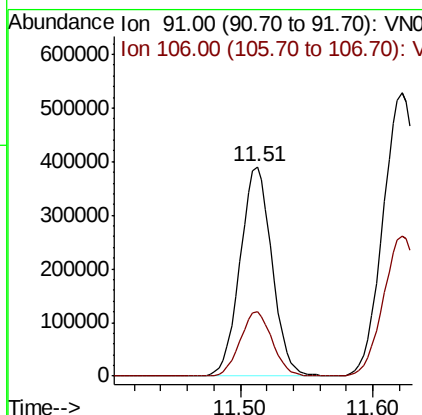
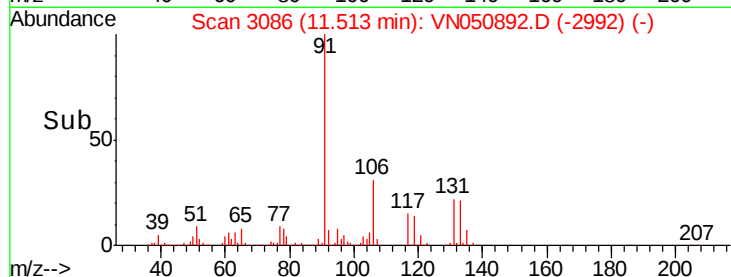
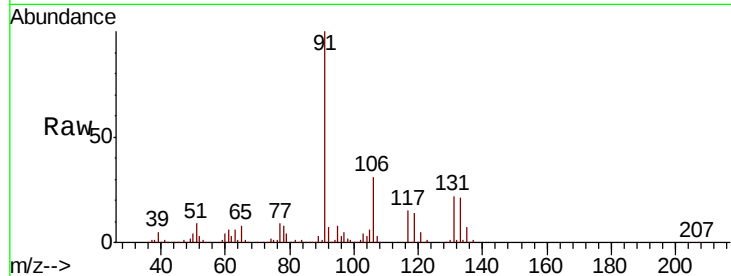
#67
Ethyl Benzene
Concen: 19.93 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion: 91 Resp: 649927
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

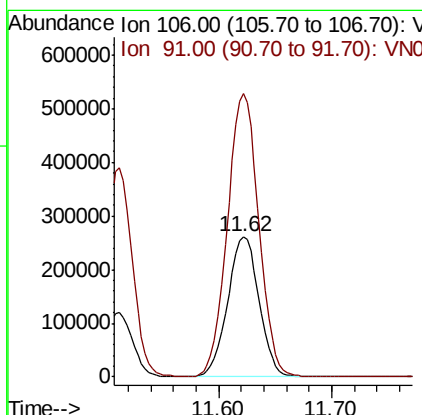
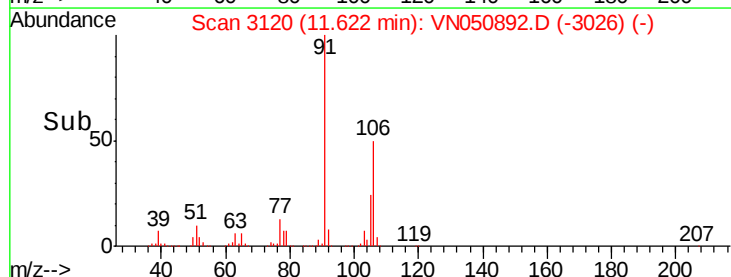
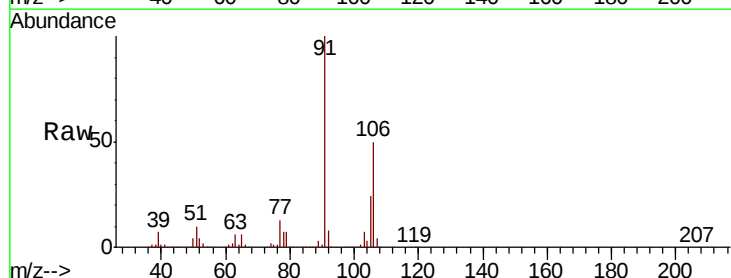
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 40.77 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion: 106 Resp: 504578
Ion Ratio Lower Upper
106 100
91 201.9 161.0 241.6





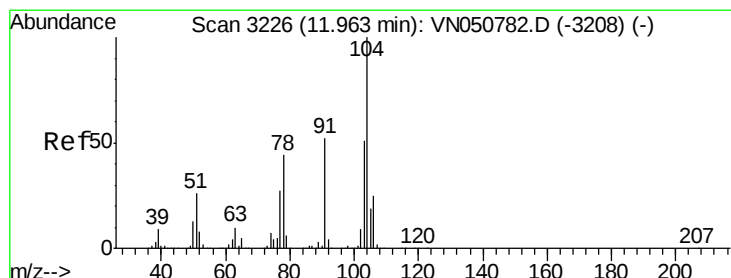
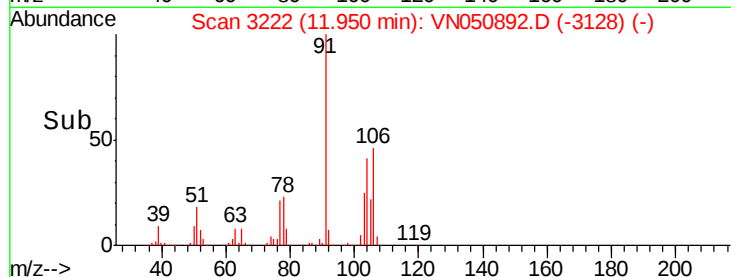
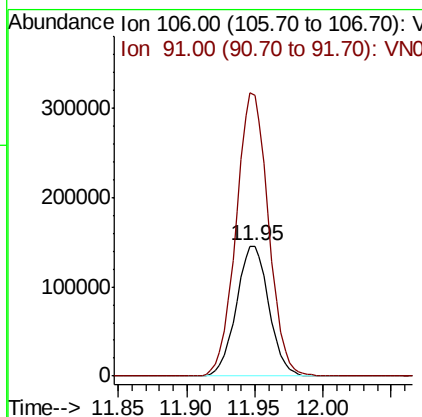
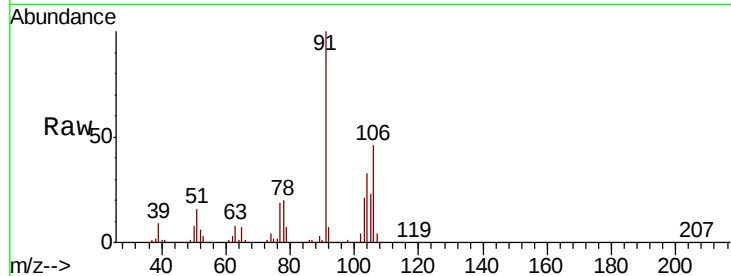
#69
o-Xylene
Concen: 20.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampled :
VN0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	241118		
91	216.0	106.5	319.5	

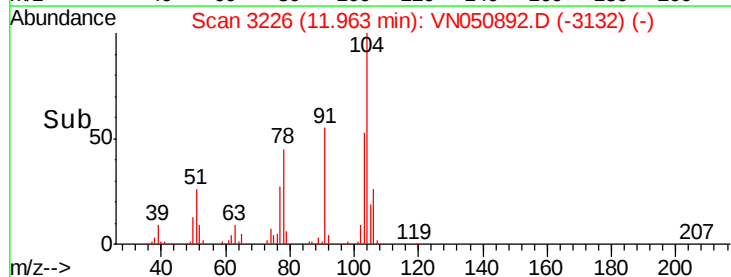
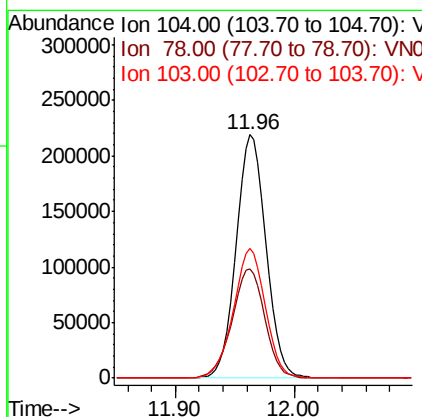
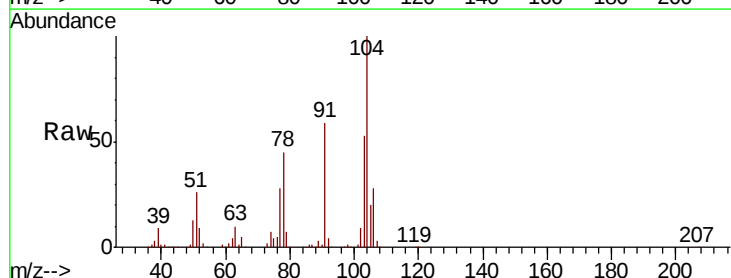
Manual Integrations
APPROVED

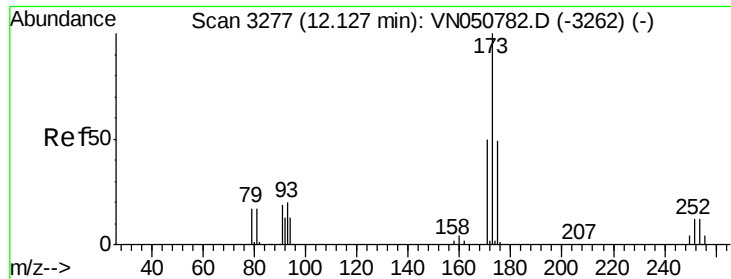
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#70
Styrene
Concen: 18.97 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	380765		
78	49.2	38.2	57.4	
103	57.0	44.4	66.6	





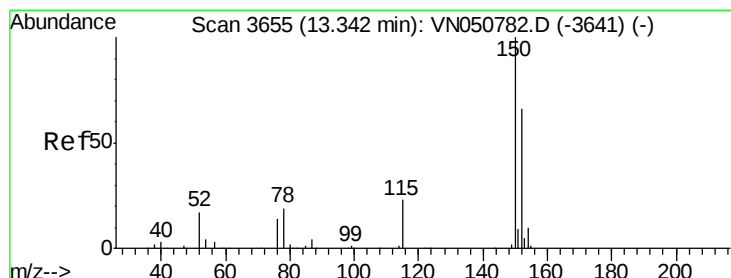
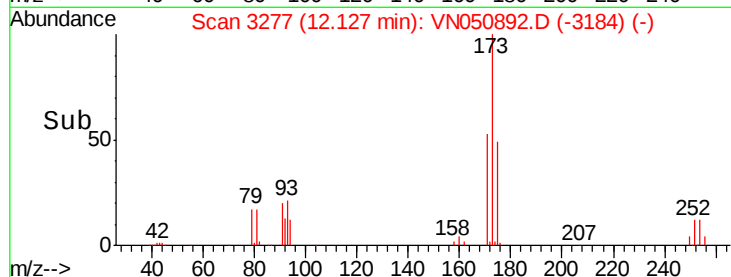
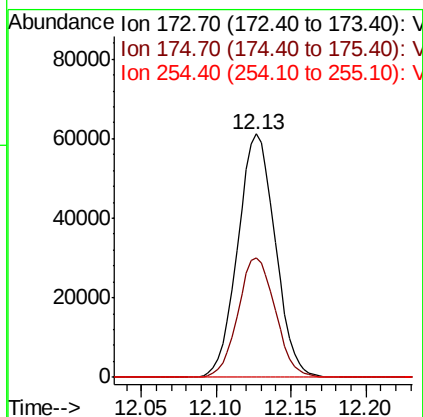
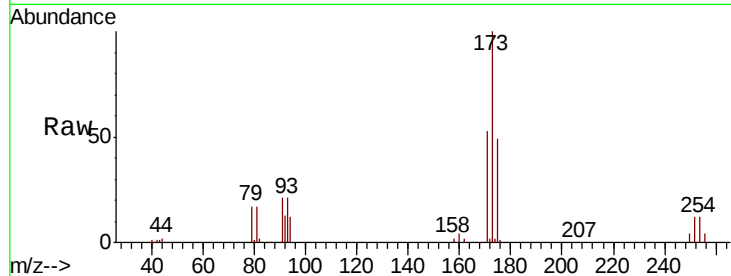
#71
Bromoform
Concen: 21.12 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.0	0.1	0.1#

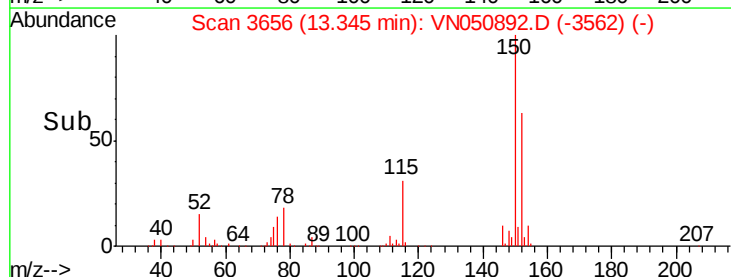
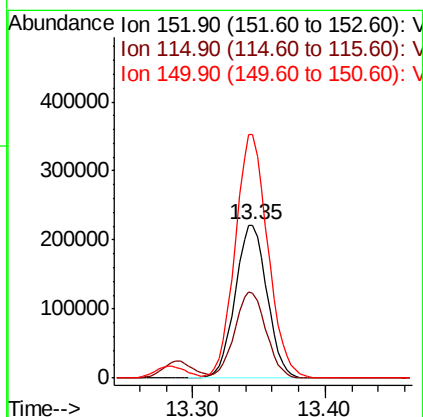
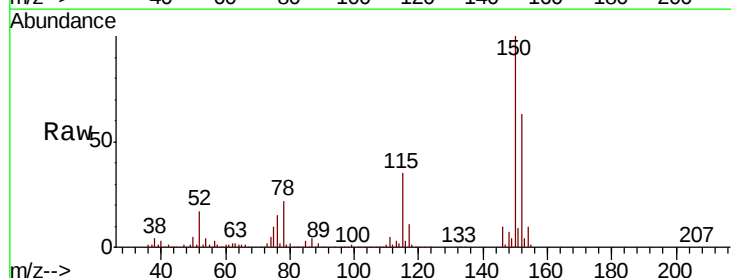
Manual Integrations
APPROVED

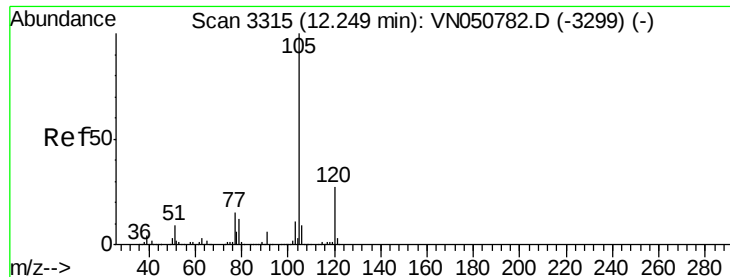
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	164.2	0.0	351.4





#73

Isopropylbenzene

Concen: 20.47 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 105 Resp: 625541

Ion Ratio Lower Upper

105 100

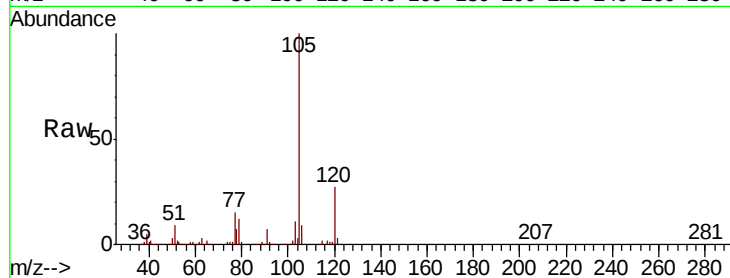
120 27.4 13.5 40.4

Manual Integrations

APPROVED

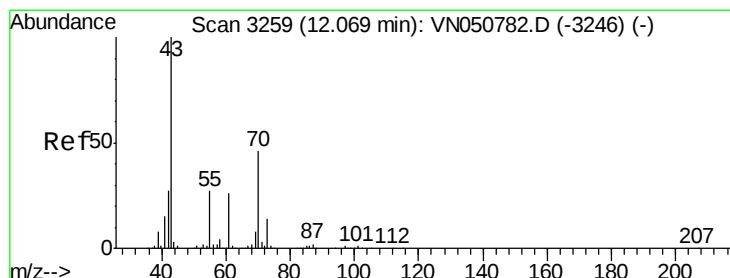
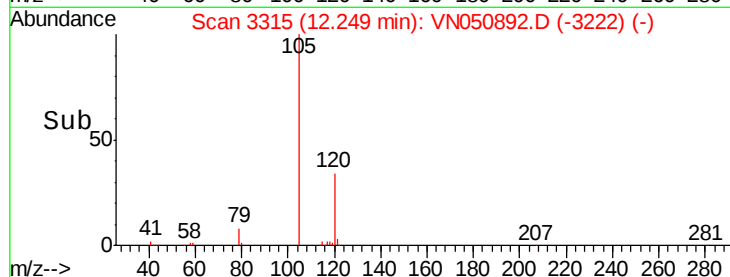
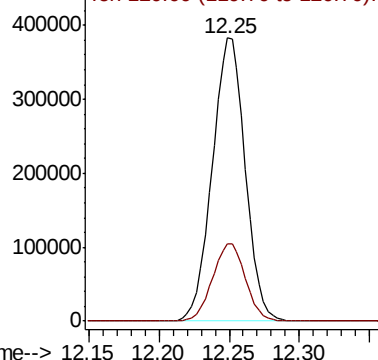
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.74 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion: 43 Resp: 159196

Ion Ratio Lower Upper

43 100

70 45.7 36.2 54.2

55 28.1 21.8 32.8

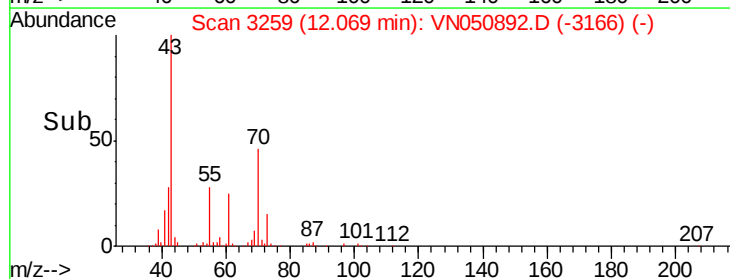
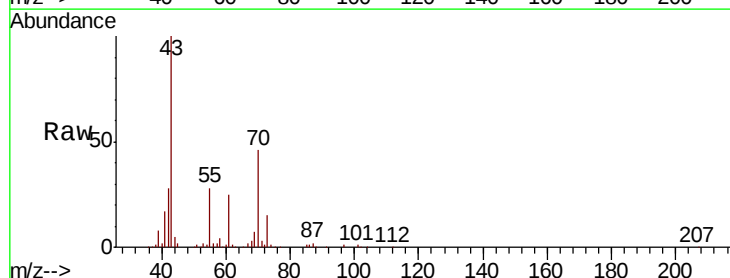
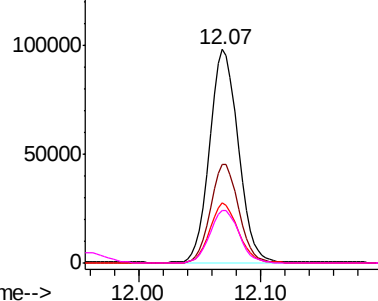
61 25.1 20.5 30.7

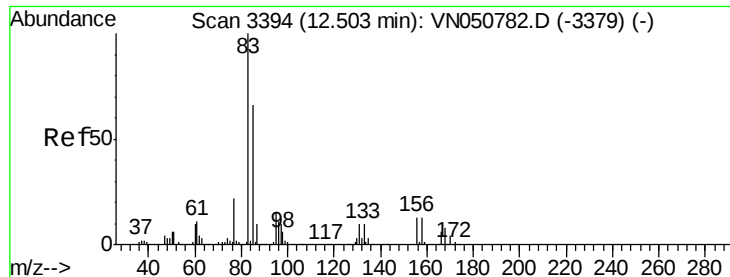
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.11 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

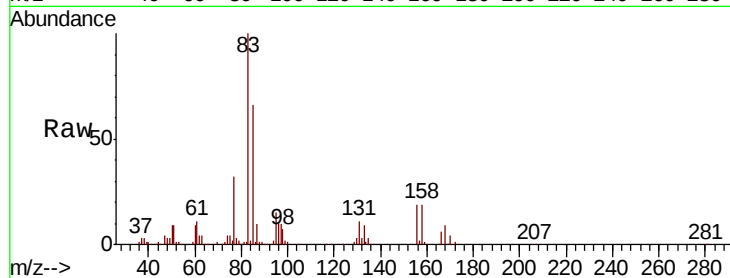
ClientSampled :

VN0827WBSD01

Tot Ion:	83	Resp:	174784
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	64.8	31.9	95.7

Manual Integrations
APPROVED

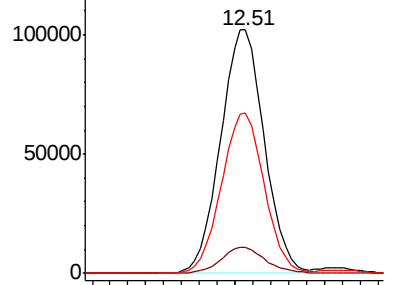
MMDadoda
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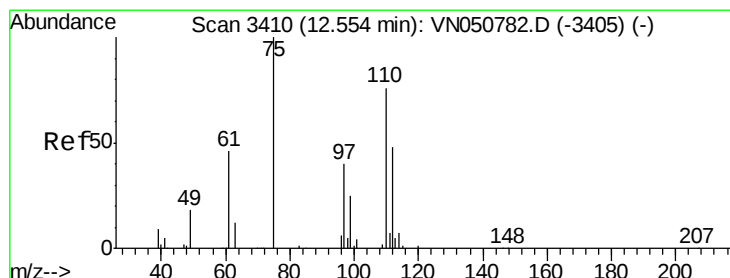
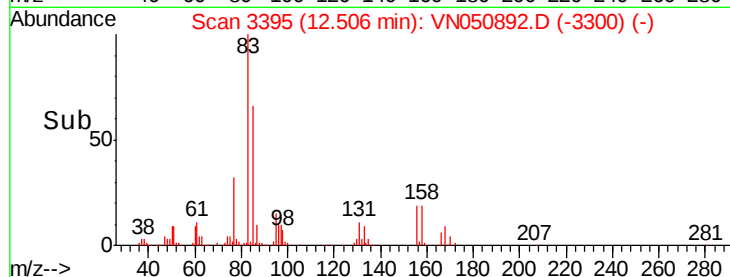
Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.16 ug/l m

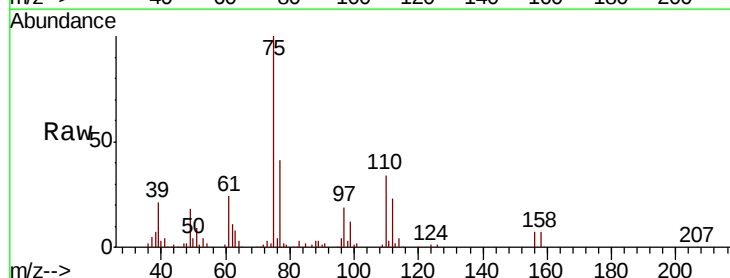
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050892.D

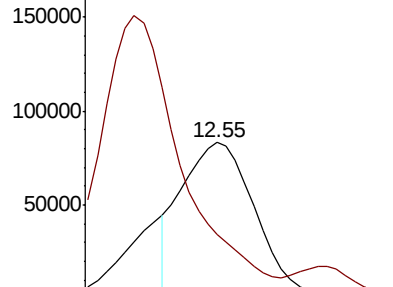
Acq: 27 Aug 2018 12:30

Tgt Ion:	75	Resp:	149660
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

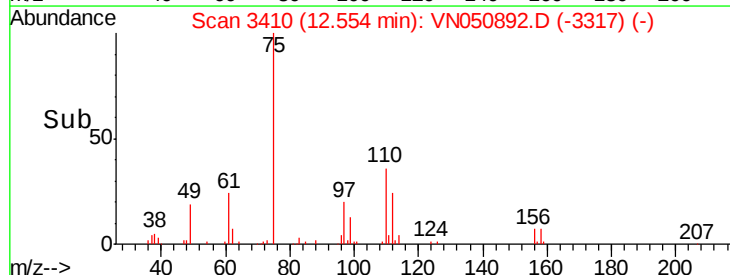


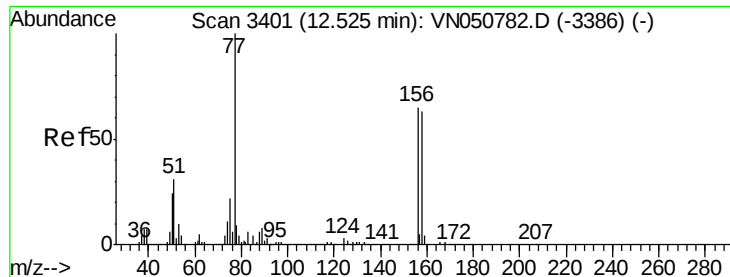
Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)



Time-->





#77

Bromobenzene

Concen: 20.80 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

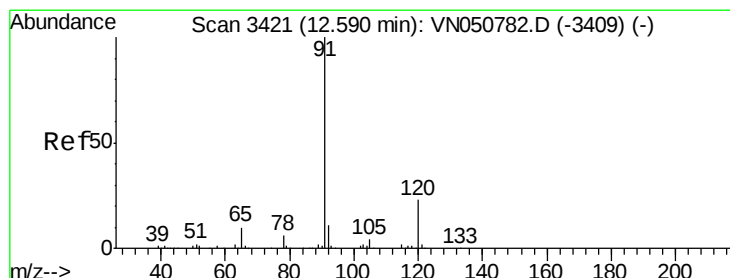
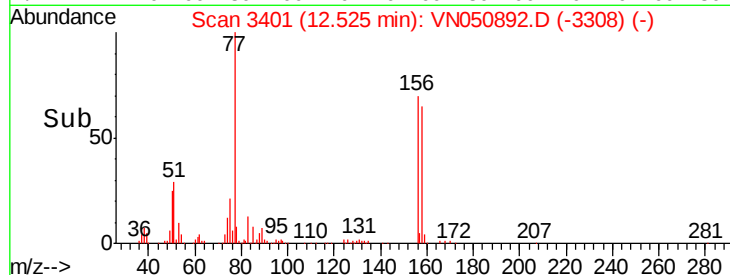
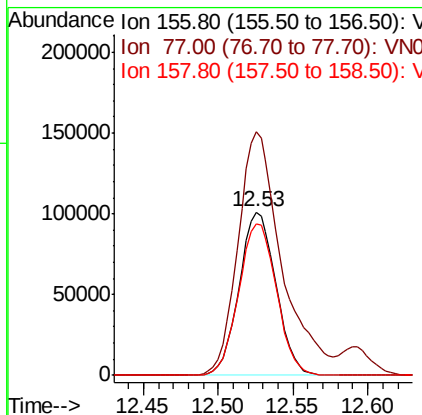
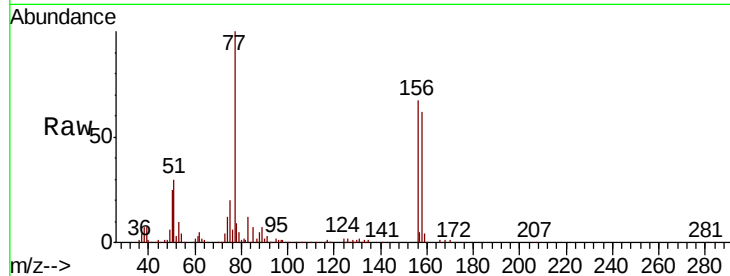
ClientSampleId :

VN0827WBSD01

Tot Ion:	156	Resp:	172691
Ion Ratio	Lower	Upper	
156	100		
77	177.7	89.9	269.7
158	95.3	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.55 ug/l

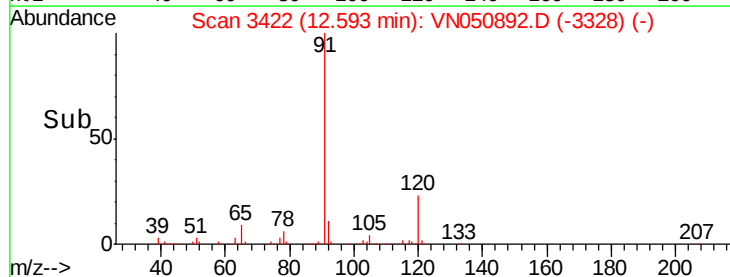
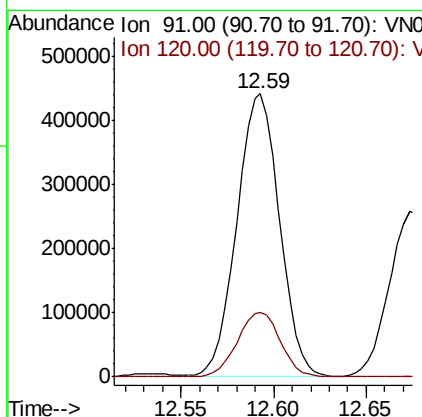
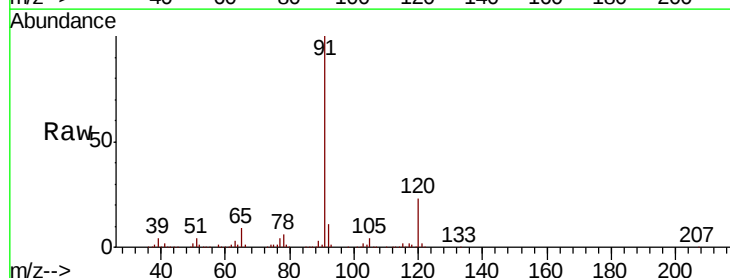
RT: 12.59 min Scan# 3422

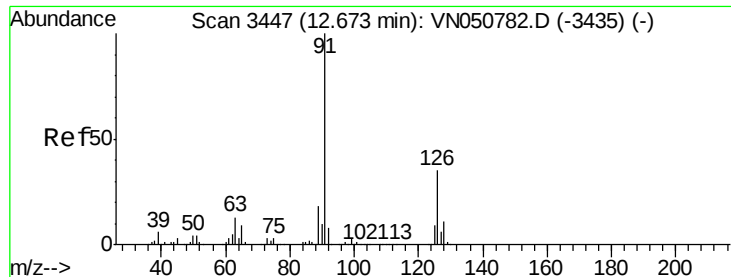
Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	91	Resp:	701275
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.51 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampled :

VN0827WBSD01

Tot Ion: 91 Resp: 436107

Ion Ratio Lower Upper

91 100

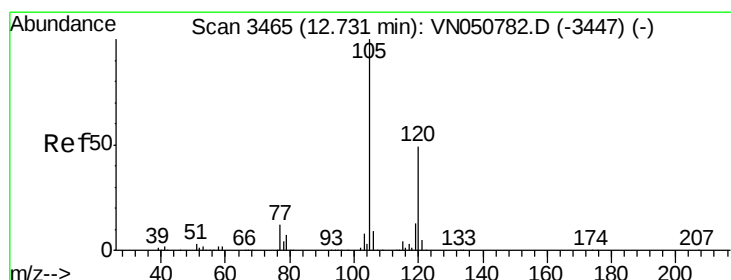
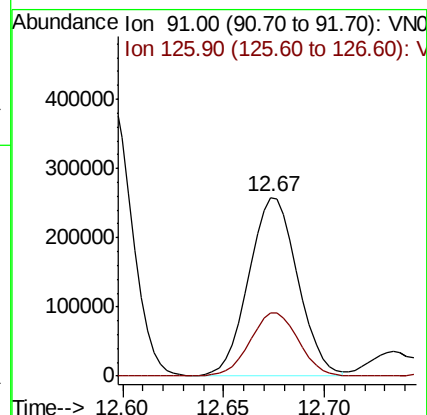
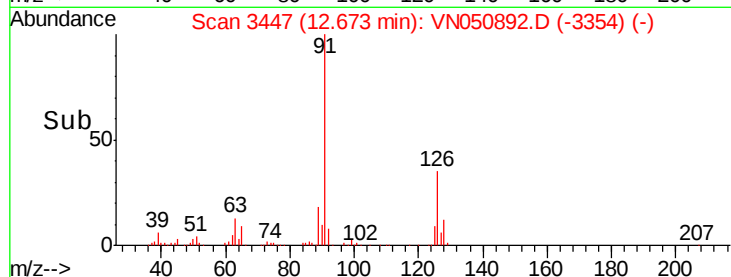
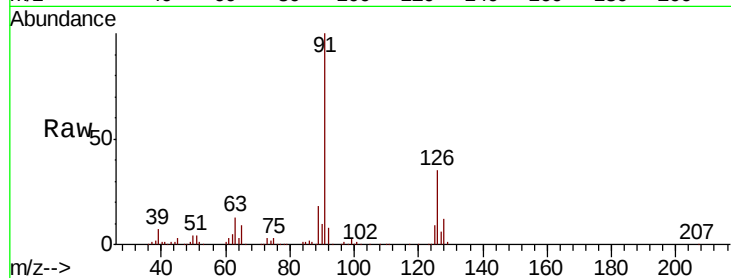
126 35.2 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050892.D

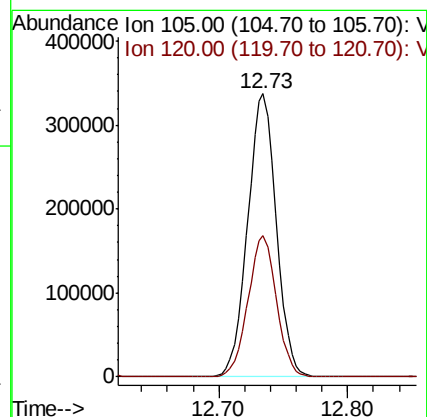
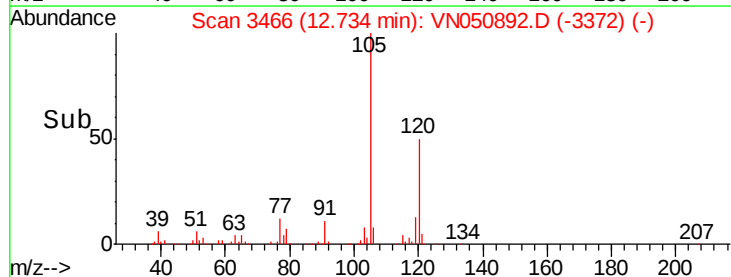
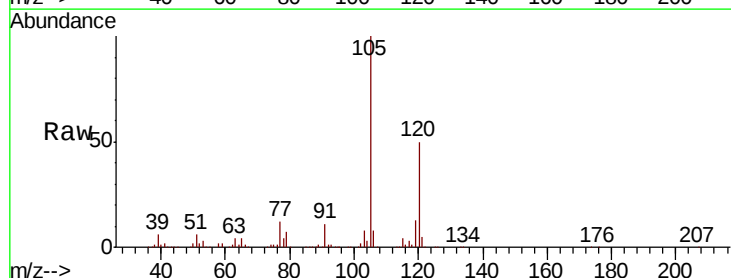
Acq: 27 Aug 2018 12:30

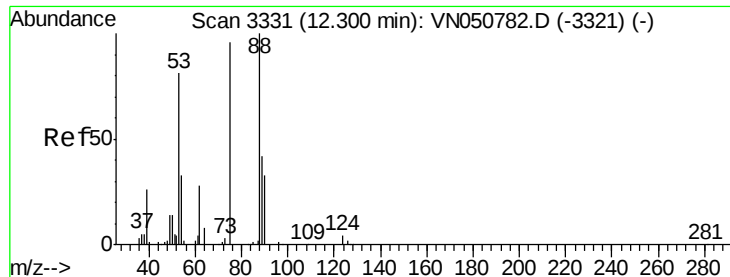
Tgt Ion: 105 Resp: 518430

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion: 75 Resp: 39324

Ion Ratio Lower Upper

75 100

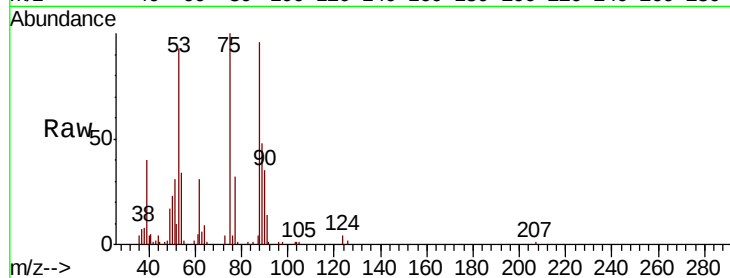
53 92.7 68.9 103.3

89 47.2 36.1 54.1

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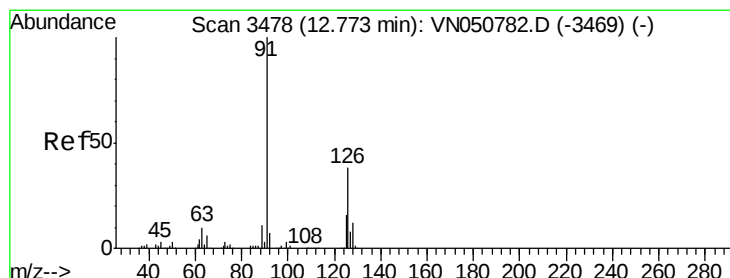
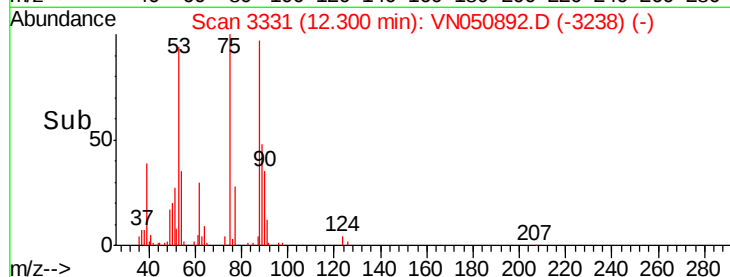
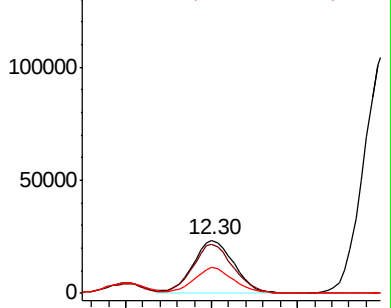
8/28/2018 12:20:23 PM



Abundance Ion 74.90 (74.60 to 75.60): VN050892.D (-3338) (-)

Ion 53.00 (52.70 to 53.70): VN050892.D (-3338) (-)

Ion 88.90 (88.60 to 89.60): VN050892.D (-3338) (-)



#82

4-Chlorotoluene

Concen: 20.58 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050892.D

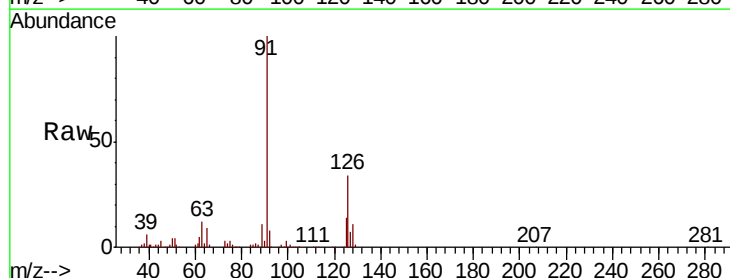
Acq: 27 Aug 2018 12:30

Tgt Ion: 91 Resp: 431881

Ion Ratio Lower Upper

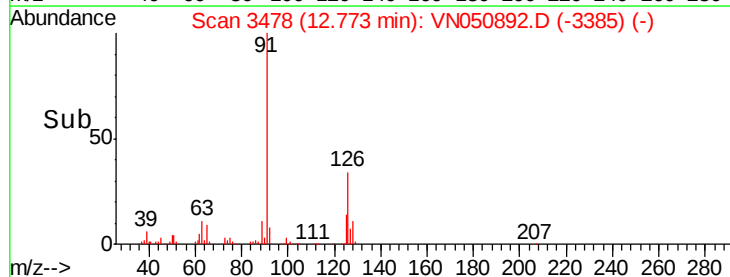
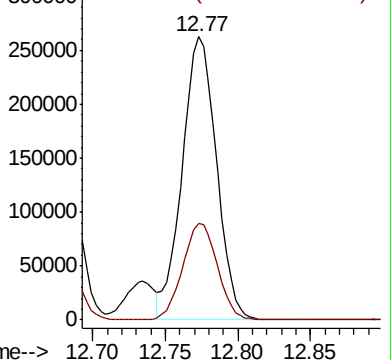
91 100

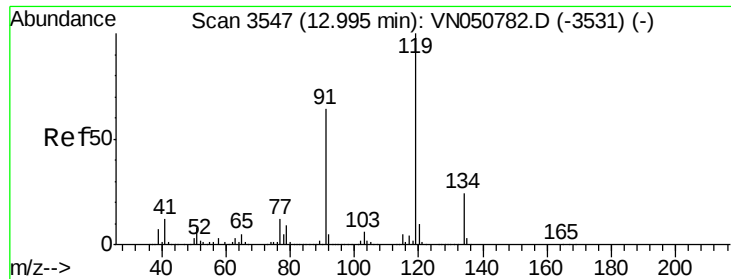
126 34.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN050892.D (-3385) (-)

Ion 125.90 (125.60 to 126.60): VN050892.D (-3385) (-)





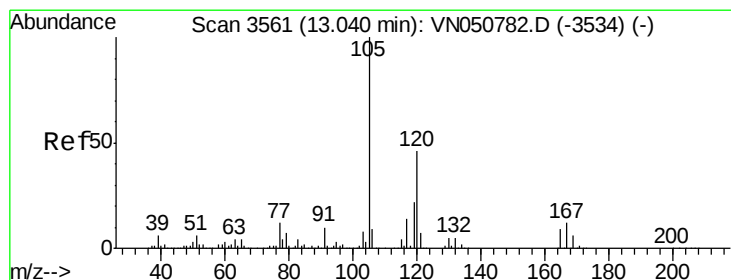
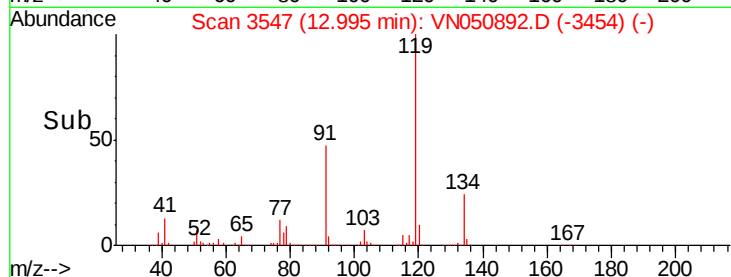
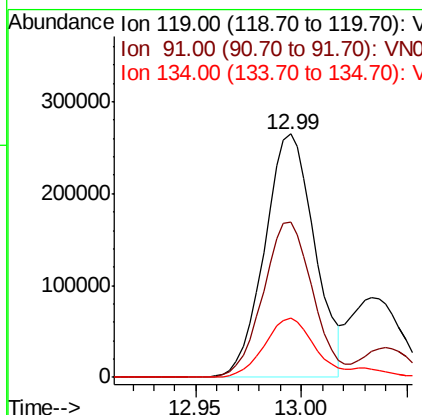
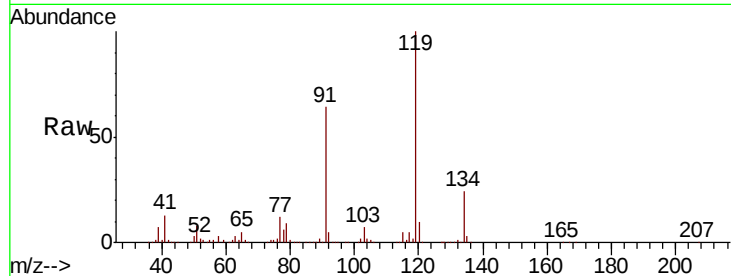
#83
 tert-Butylbenzene
 Concen: 20.41 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	435820		
91	63.3		31.6	94.7
134	24.6		13.4	40.1

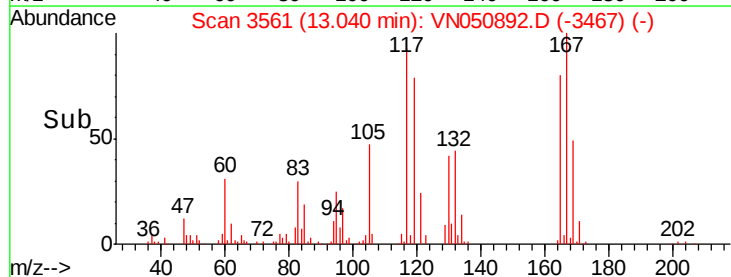
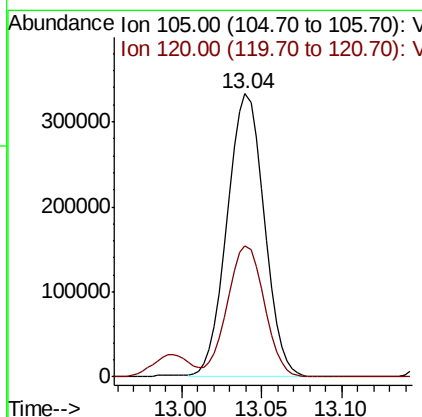
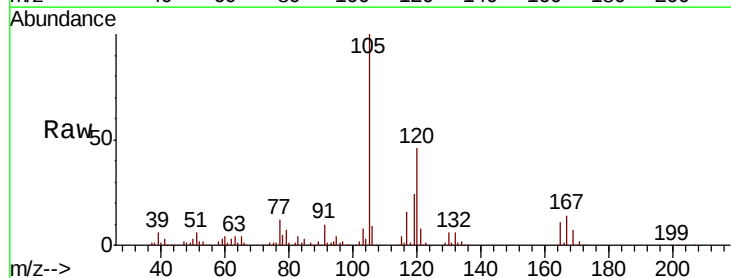
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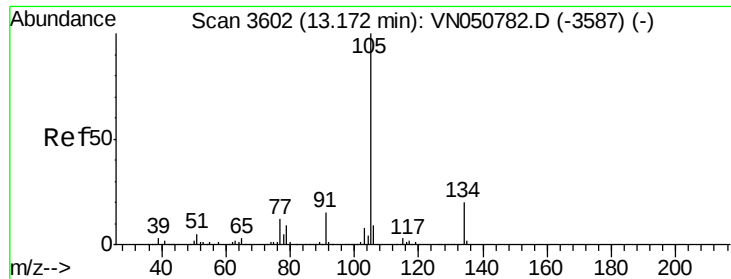
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.16 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	524723		
120	46.5		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.49 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD01

Tot Ion:105 Resp: 573136

Ion Ratio Lower Upper

105 100

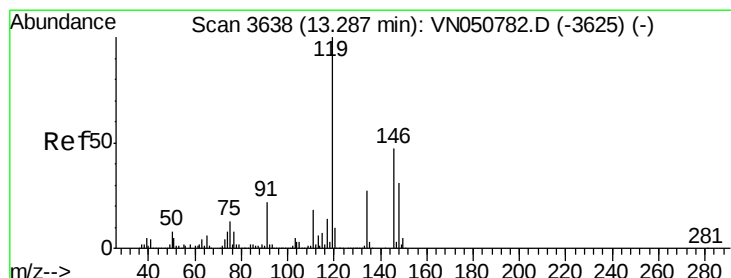
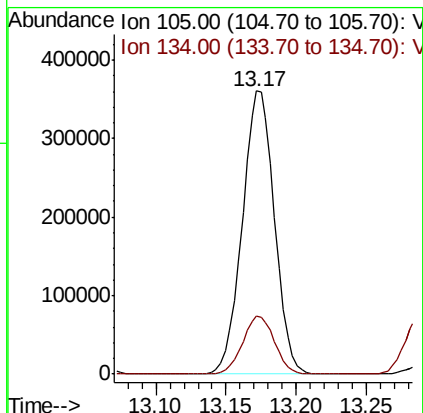
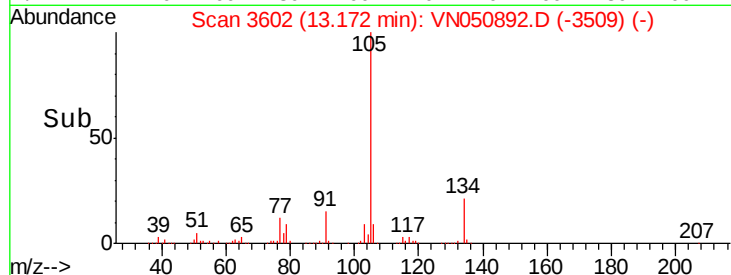
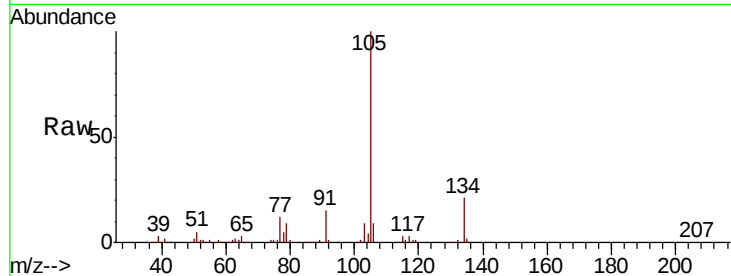
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.50 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

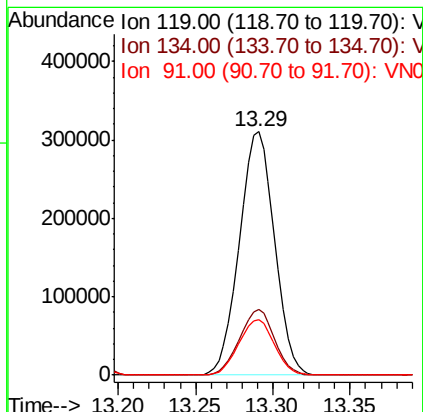
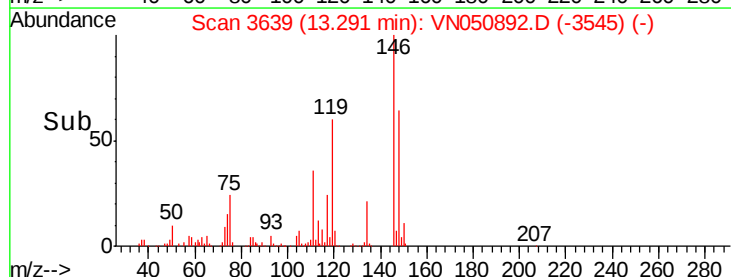
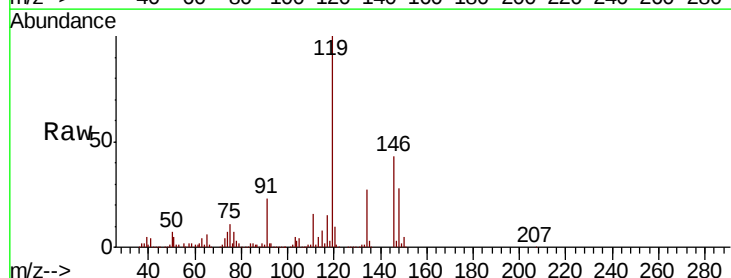
Tgt Ion:119 Resp: 488783

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 22.9 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.81 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

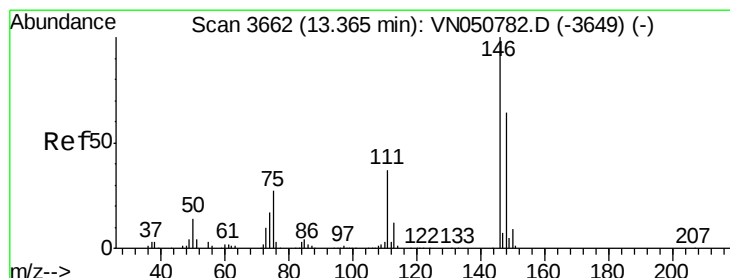
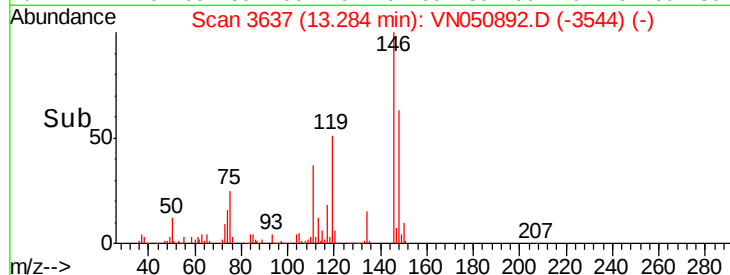
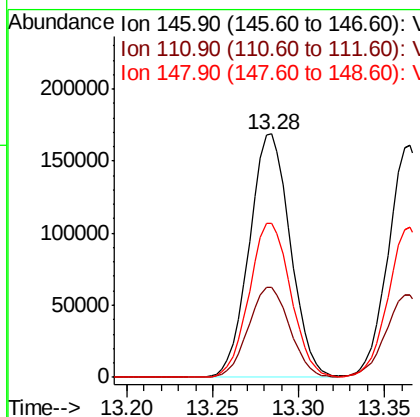
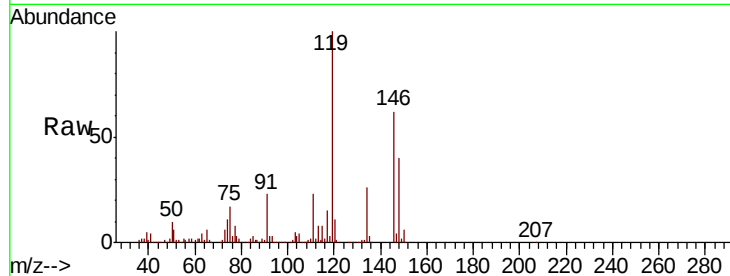
ClientSampleId :

VN0827WBSD01

Tot Ion:	146	Resp:	279116
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.3
148	64.1	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.21 ug/l

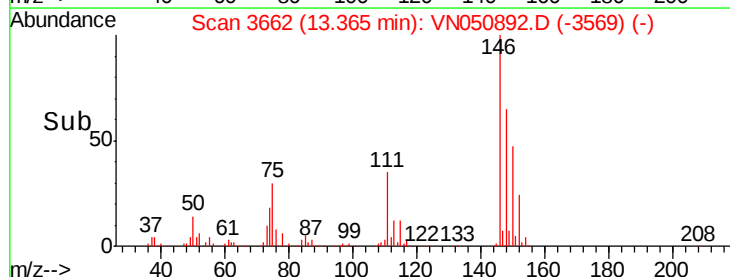
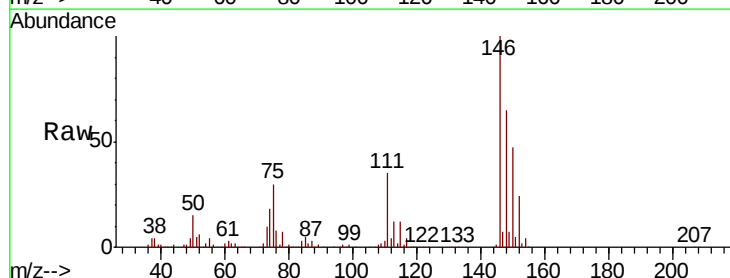
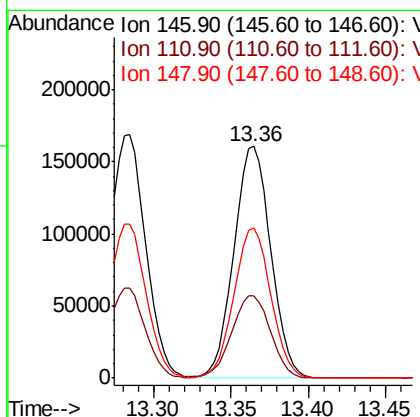
RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	146	Resp:	266418
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.8	56.3
148	64.8	32.2	96.6





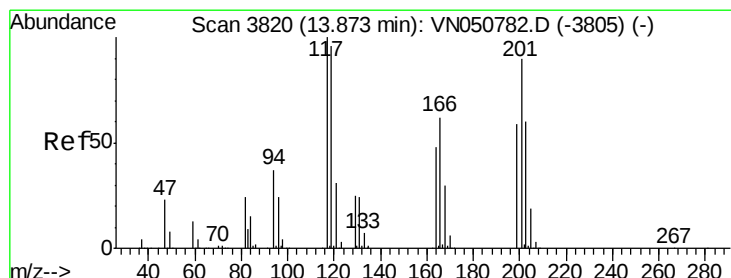
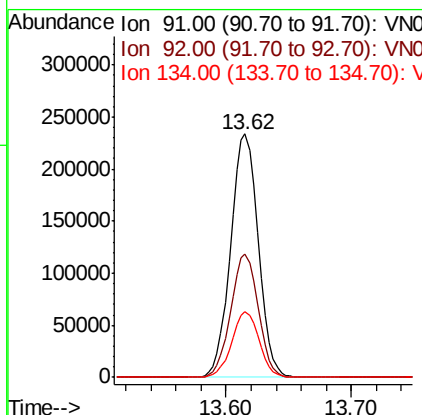
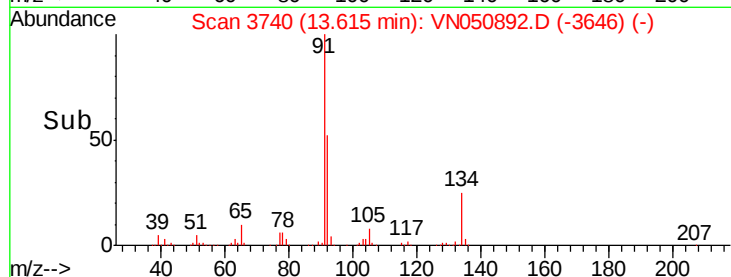
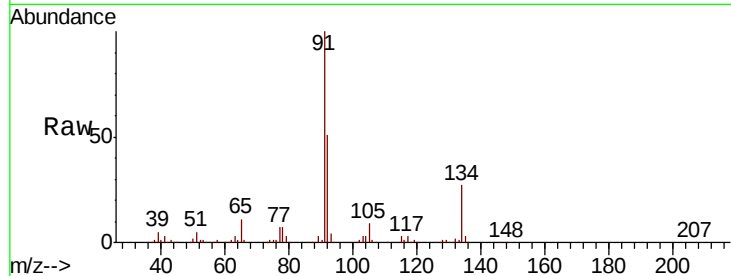
#89
n-Butylbenzene
Concen: 18.72 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.1	78.2
134	26.6	13.2	39.6

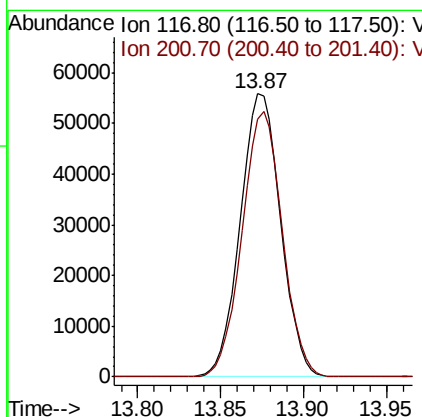
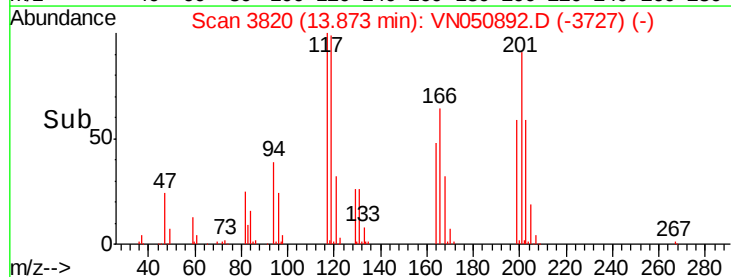
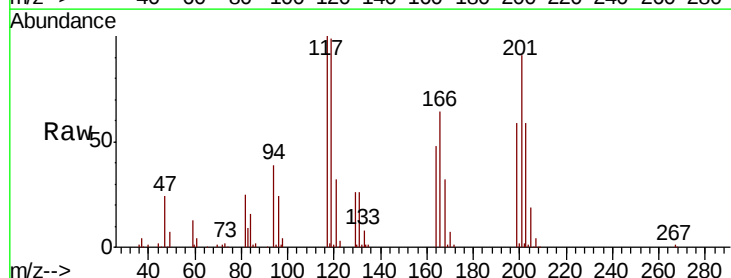
Manual Integrations
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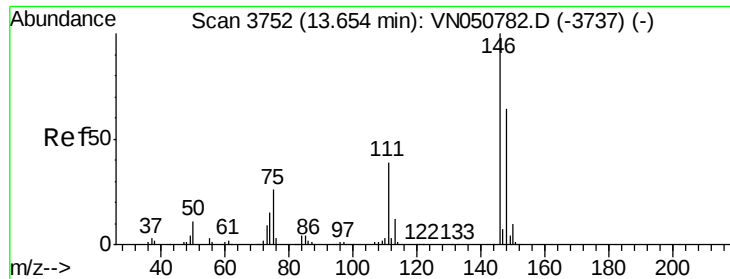
MMDadoda
8/28/2018 12:20:23 PM



#90
Hexachloroethane
Concen: 20.91 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050892.D
Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.0	137.8





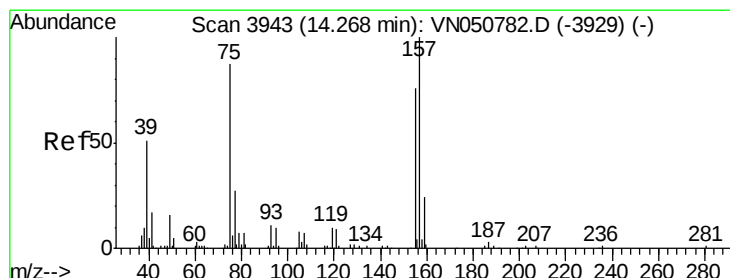
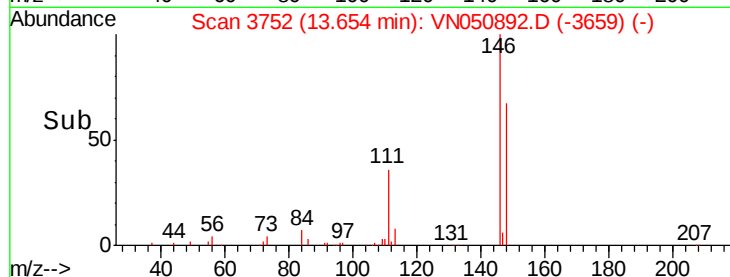
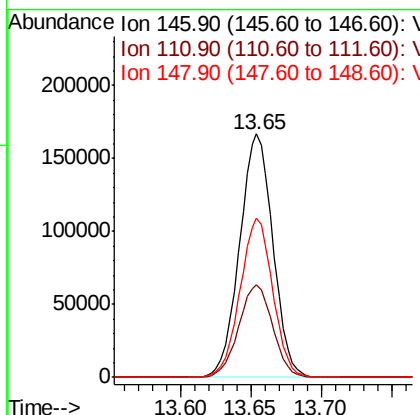
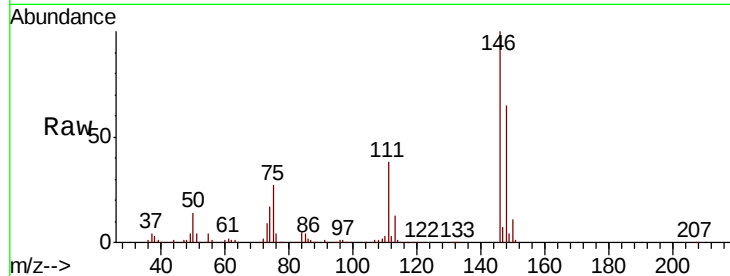
#91
 1,2-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	275675		
111	38.6	19.8	59.3	
148	64.3	32.3	96.8	

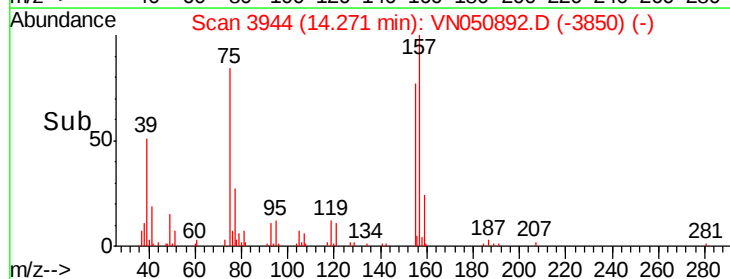
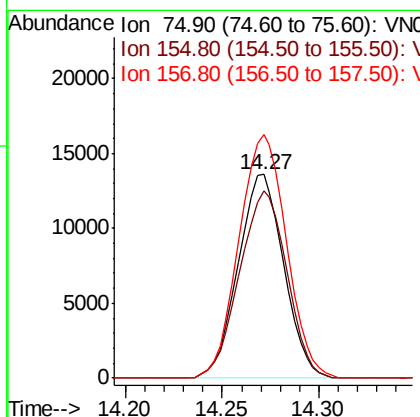
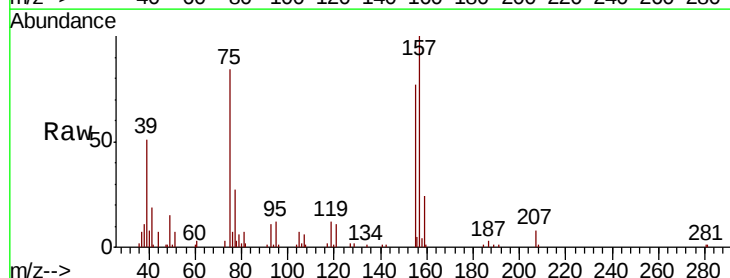
Manual Integrations
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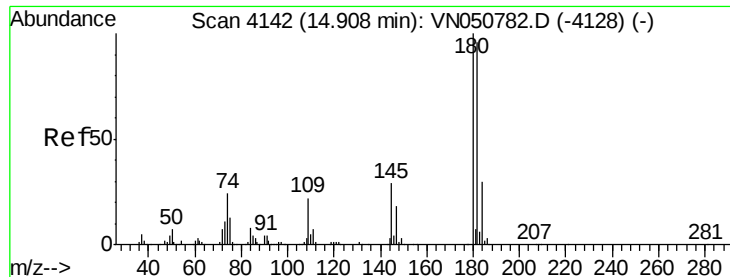
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.30 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22277		
155	95.3	46.4	139.1	
157	124.5	60.7	182.0	





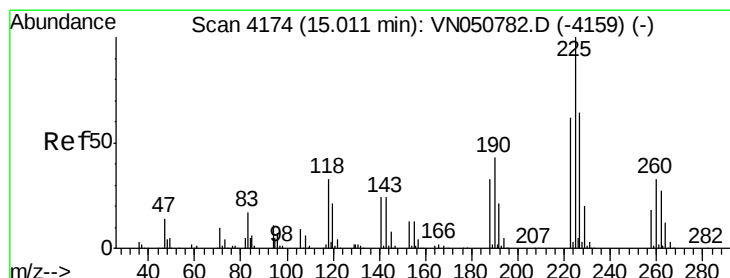
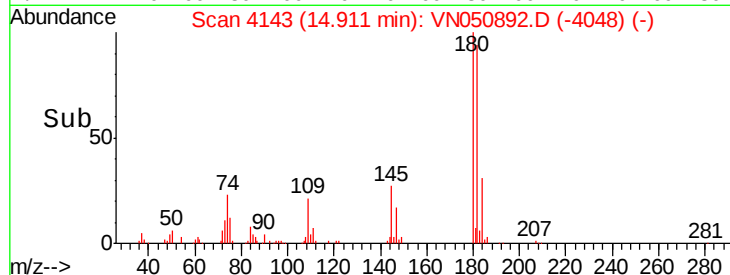
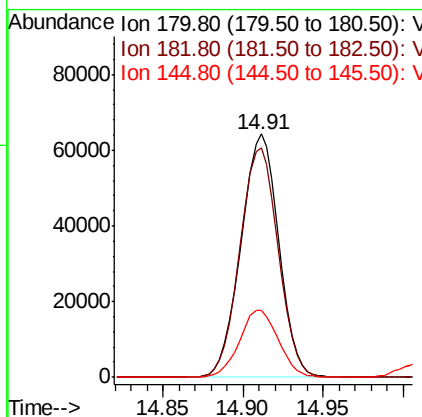
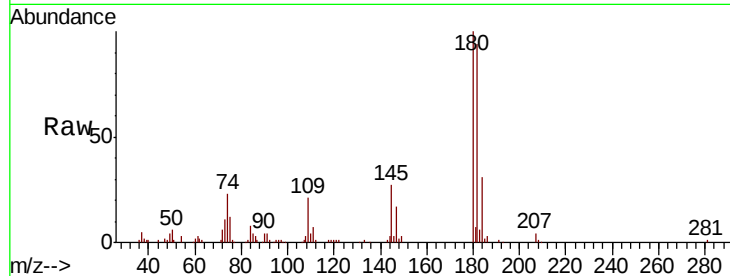
#93
 1,2,4-Trichlorobenzene
 Concen: 17.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBSD01

Tot Ion:	180	Resp:	103277
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.2	144.6
145	28.3	14.1	42.2

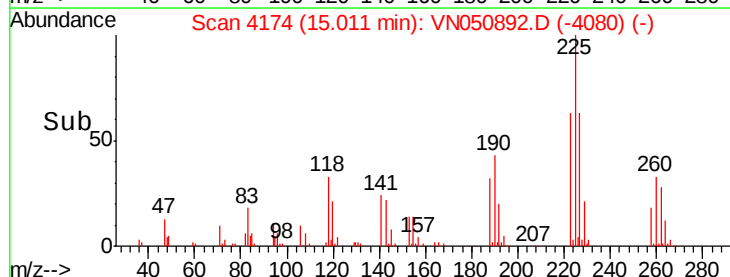
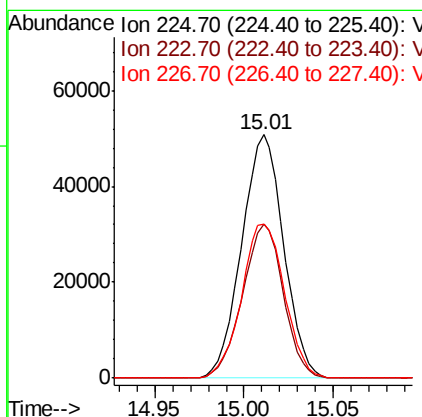
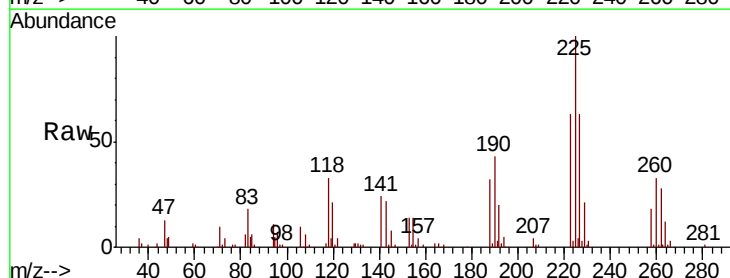
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.01 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050892.D
 Acq: 27 Aug 2018 12:30

Tgt Ion:	225	Resp:	83334
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.3	93.8
227	64.9	32.0	96.2





#95

Naphthalene

Concen: 17.33 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Instrument :

MSVOA_N

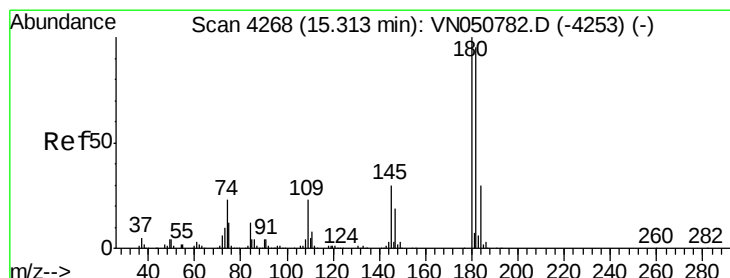
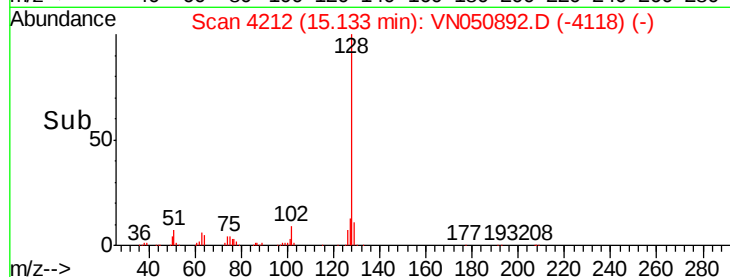
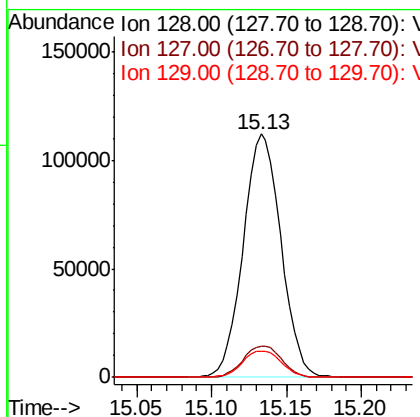
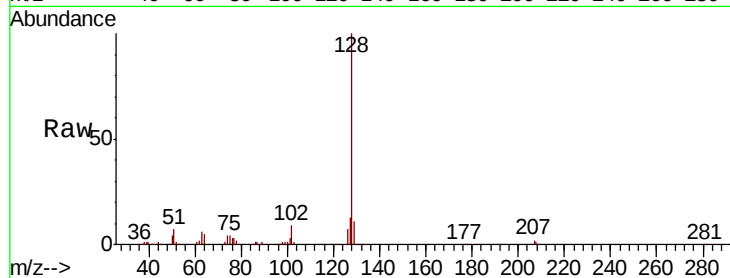
ClientSampleId :

VN0827WBSD01

Tot Ion:	128	Resp:	197252
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 18.31 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050892.D

Acq: 27 Aug 2018 12:30

Tgt Ion:	180	Resp:	106583
Ion Ratio	Lower	Upper	
180	100		
182	98.4	48.0	144.2
145	30.1	15.2	45.6

