

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050816.D
 Acq On : 22 Aug 2018 13:48
 Operator : MD\SY
 Sample : VN0822WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 12:26:54 PM

Quant Time: Aug 23 01:38:23 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	669490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	423829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420075	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.59	113	393079	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1507580	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	493577	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	193478	21.59	ug/l	100
3) Chloromethane	2.06	50	207639	18.79	ug/l	99
4) Vinyl Chloride	2.18	62	204483	19.53	ug/l	100
5) Bromomethane	2.57	94	122497	19.95	ug/l	98
6) Chloroethane	2.70	64	120368	19.90	ug/l	99
7) Trichlorofluoromethane	3.01	101	269433	20.10	ug/l	99
8) Diethyl Ether	3.41	74	96450	21.16	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	165024	19.70	ug/l	99
10) Methyl Iodide	3.95	142	124218	21.10	ug/l	99
11) Tert butyl alcohol	4.80	59	56186	109.48	ug/l	100
12) 1,1-Dichloroethene	3.73	96	151654	20.17	ug/l	98
13) Acrolein	3.61	56	28138	105.07	ug/l	95
14) Allyl chloride	4.33	41	232139	19.81	ug/l	99
15) Acrylonitrile	4.99	53	272421	104.44	ug/l	99
16) Acetone	3.82	43	186778	93.44	ug/l	99
17) Carbon Disulfide	4.05	76	460926	18.29	ug/l	100
18) Methyl Acetate	4.33	43	150652	19.80	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	405409	21.43	ug/l	100
20) Methylene Chloride	4.55	84	174548	19.22	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	162072	19.93	ug/l	99
22) Diisopropyl ether	5.96	45	499618	21.40	ug/l	99
23) Vinyl Acetate	5.90	43	1580919	105.13	ug/l	100
24) 1,1-Dichloroethane	5.85	63	304424	20.31	ug/l	99
25) 2-Butanone	6.84	43	297721	91.66	ug/l	100
26) 2,2-Dichloropropane	6.83	77	230062	19.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	180838	20.62	ug/l	98
28) Bromochloromethane	7.20	49	117309	18.42	ug/l	99
29) Tetrahydrofuran	7.22	42	202500	108.74	ug/l	98
30) Chloroform	7.37	83	298170	20.09	ug/l	98
31) Cyclohexane	7.65	56	266618	19.85	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	255882	20.07	ug/l	99
36) 1,1-Dichloropropene	7.80	75	229379	19.87	ug/l	99
37) Ethyl Acetate	6.93	43	136997	20.66	ug/l	100
38) Carbon Tetrachloride	7.78	117	224886	19.27	ug/l	99

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Manual Integrations
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MMDadoda
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Quant Time: Aug 23 01:38:23 2018
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 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	234770	18.80	ug/l	98
40) Benzene	8.04	78	702925	20.20	ug/l	98
41) Methacrylonitrile	7.17	41	64084	17.86	ug/l	90
42) 1,2-Dichloroethane	8.13	62	207752	19.96	ug/l	100
43) Isopropyl Acetate	8.17	43	247349	21.70	ug/l #	89
44) Trichloroethene	8.84	130	184577	20.11	ug/l	99
45) 1,2-Dichloropropane	9.12	63	182821	19.99	ug/l	99
46) Dibromomethane	9.21	93	107799	20.06	ug/l	99
47) Bromodichloromethane	9.40	83	220762	19.61	ug/l	98
48) Methyl methacrylate	9.20	41	117336	20.20	ug/l	98
49) 1,4-Dioxane	9.20	88	34251	432.45	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	684617	100.64	ug/l	99
52) Toluene	10.16	92	429675	20.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	221627	19.78	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	258485	20.14	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156852	20.50	ug/l	98
56) Ethyl methacrylate	10.43	69	182052	19.78	ug/l	99
57) 1,3-Dichloropropane	10.71	76	258436	20.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	389730	97.55	ug/l	99
59) 2-Hexanone	10.75	43	465756	102.84	ug/l	96
60) Dibromochloromethane	10.90	129	168283	19.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	151218	20.43	ug/l	100
64) Tetrachloroethene	10.63	164	164518	19.24	ug/l	97
65) Chlorobenzene	11.44	112	463698	19.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171895	19.96	ug/l	99
67) Ethyl Benzene	11.51	91	778830	20.36	ug/l	99
68) m/p-Xylenes	11.62	106	606306	41.75	ug/l	98
69) o-Xylene	11.95	106	302210	21.65	ug/l	100
70) Styrene	11.97	104	457235	19.38	ug/l	98
71) Bromoform	12.13	173	115724	19.54	ug/l #	99
73) Isopropylbenzene	12.25	105	779359	22.21	ug/l	100
74) N-amyl acetate	12.07	43	185516m	21.04	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.51	83	181228	20.70	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	153467m	20.67	ug/l	
77) Bromobenzene	12.53	156	197564	20.71	ug/l	99
78) n-propylbenzene	12.59	91	851633	21.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	520272	21.31	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	650070	22.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44387	20.21	ug/l #	84
82) 4-Chlorotoluene	12.77	91	505499	20.97	ug/l	99
83) tert-Butylbenzene	12.99	119	551138	22.47	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	672828	23.62	ug/l	100
85) sec-Butylbenzene	13.17	105	700601	21.80	ug/l	99
86) p-Isopropyltoluene	13.29	119	606296	22.14	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	322979	19.95	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	311306	19.54	ug/l	94
89) n-Butylbenzene	13.62	91	470058	21.46	ug/l	99
90) Hexachloroethane	13.88	117	104470	20.13	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	317275	20.32	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26289	20.86	ug/l	97

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ClientSampleId :
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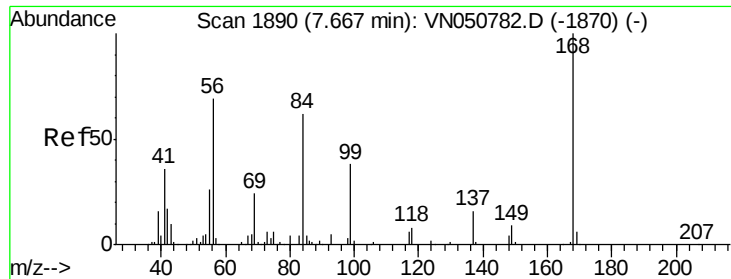
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137934	19.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	93427	19.50	ug/l	99
95) Naphthalene	15.14	128	299070	21.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	140950	20.59	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion:168 Resp: 669490

Ion Ratio Lower Upper

168 100

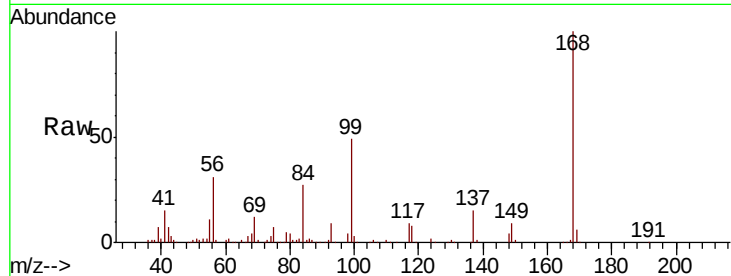
99 49.2 39.6 59.4

Manual Integrations

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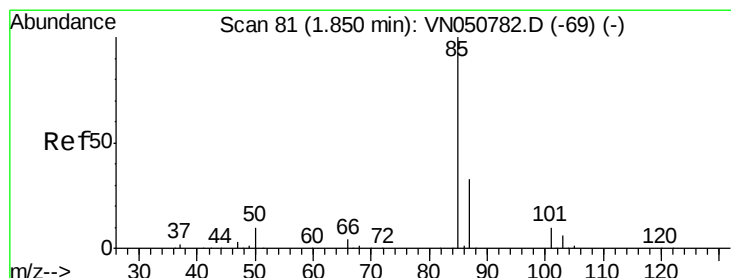
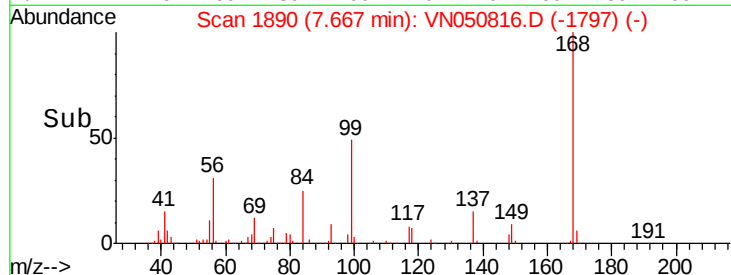
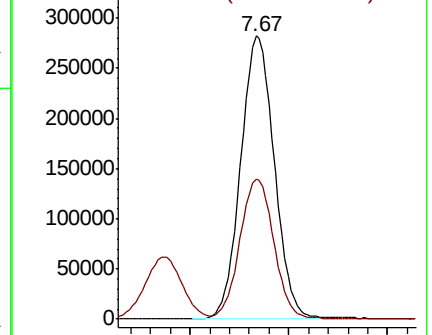
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.59 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050816.D

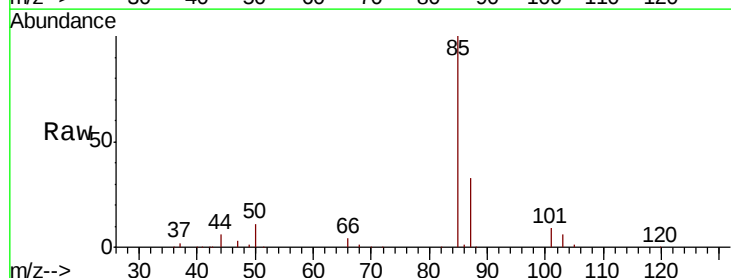
Acq: 22 Aug 2018 13:48

Tgt Ion: 85 Resp: 193478

Ion Ratio Lower Upper

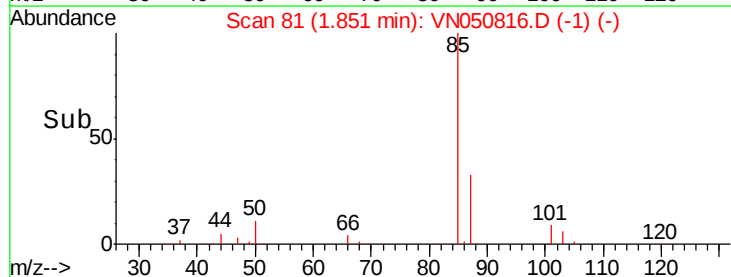
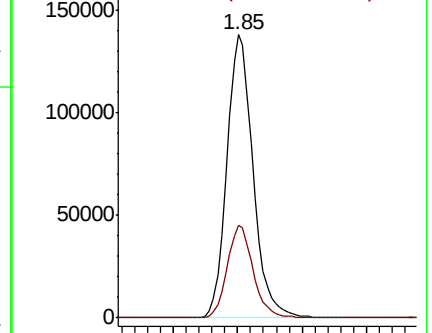
85 100

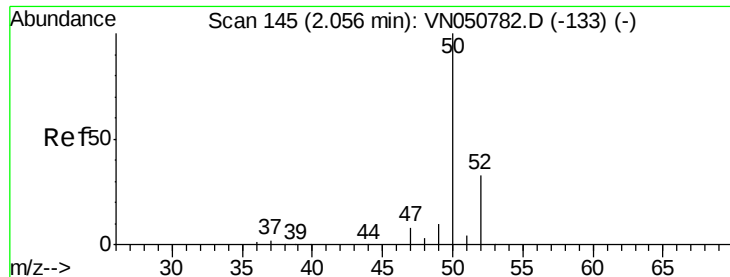
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.79 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

Tot Ion: 50 Resp: 207639

Ion Ratio Lower Upper

50 100

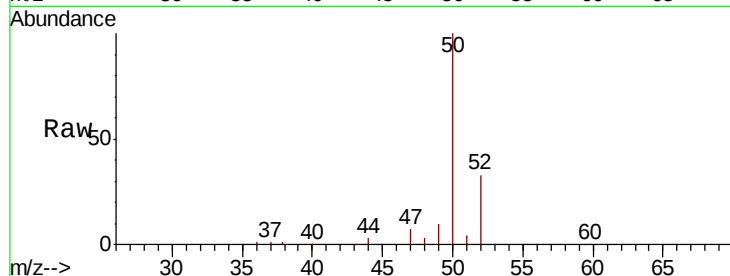
52 33.4 26.3 39.5

Manual Integrations

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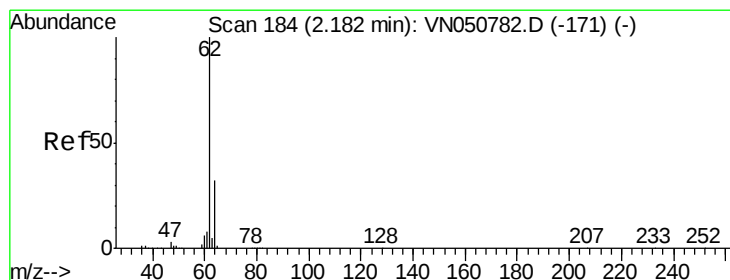
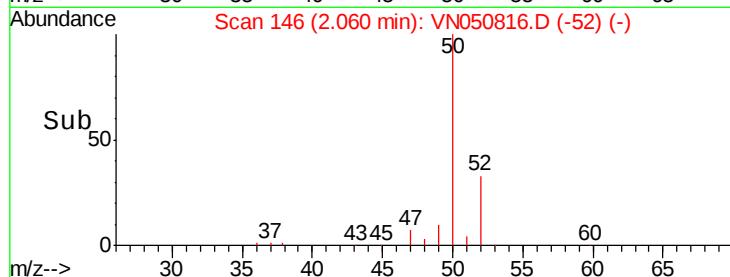
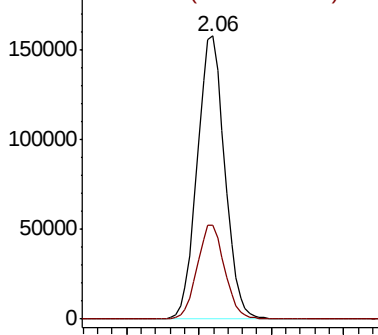
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.53 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050816.D

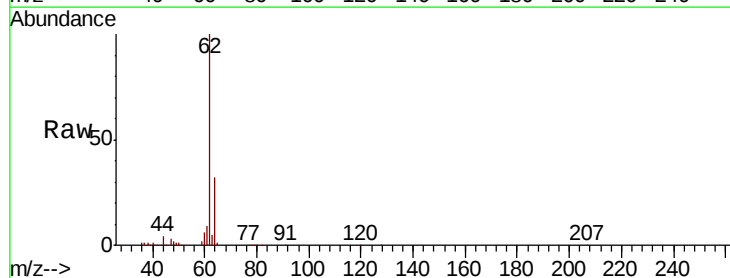
Acq: 22 Aug 2018 13:48

Tgt Ion: 62 Resp: 204483

Ion Ratio Lower Upper

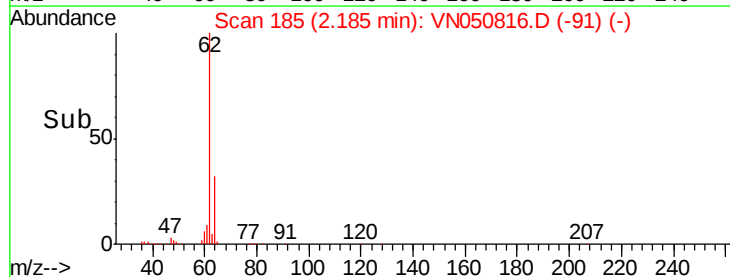
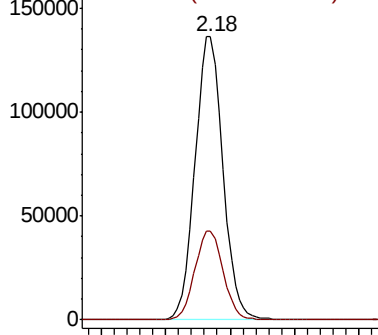
62 100

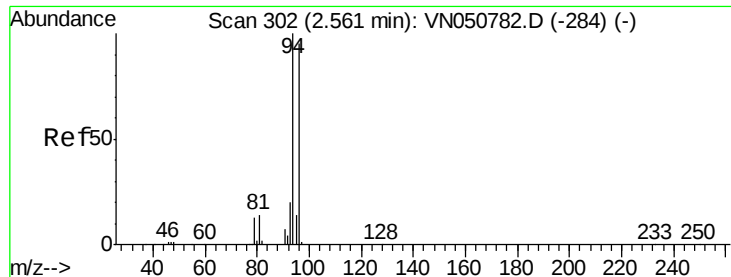
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.95 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

Tot Ion: 94 Resp: 122497

Ion Ratio Lower Upper

94 100

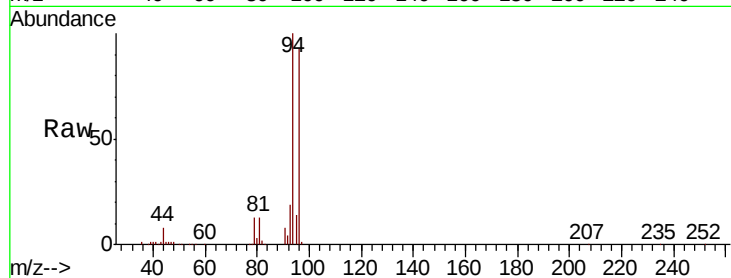
96 93.3 76.2 114.2

Manual Integrations

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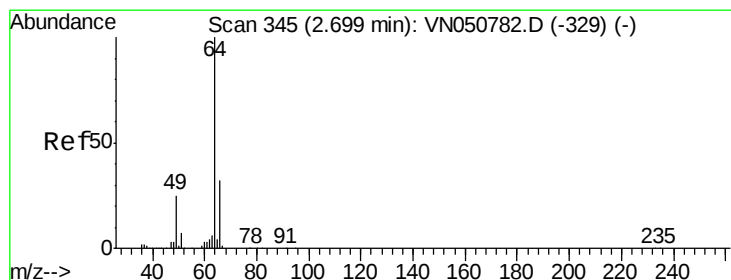
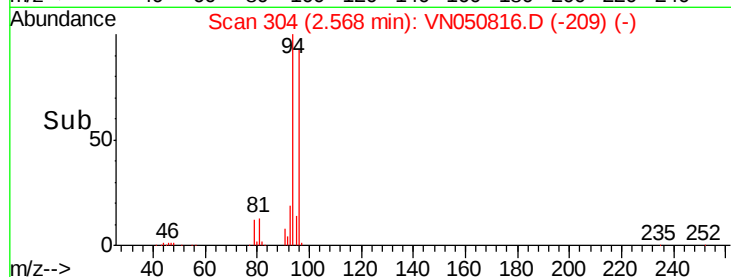
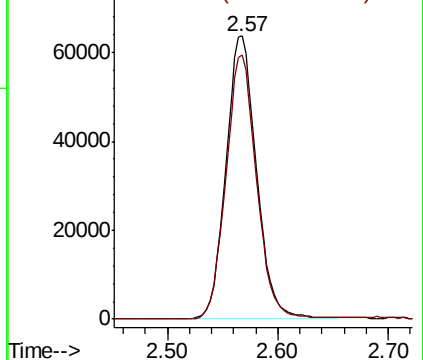
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.90 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050816.D

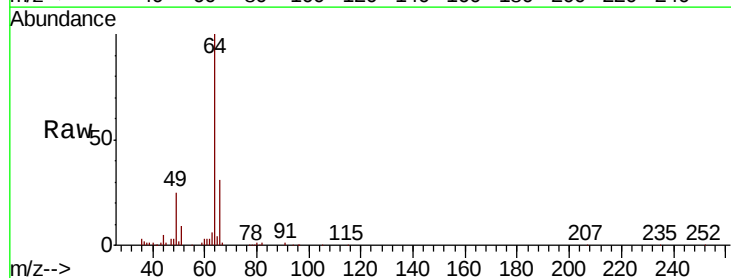
Acq: 22 Aug 2018 13:48

Tgt Ion: 64 Resp: 120368

Ion Ratio Lower Upper

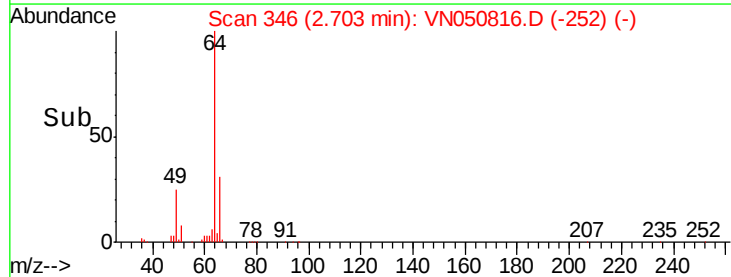
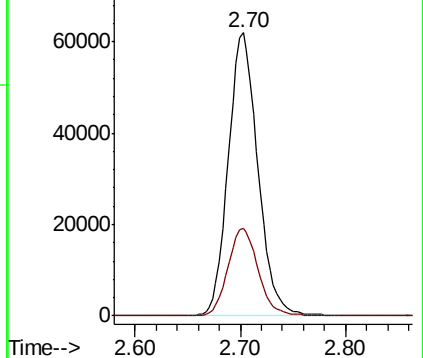
64 100

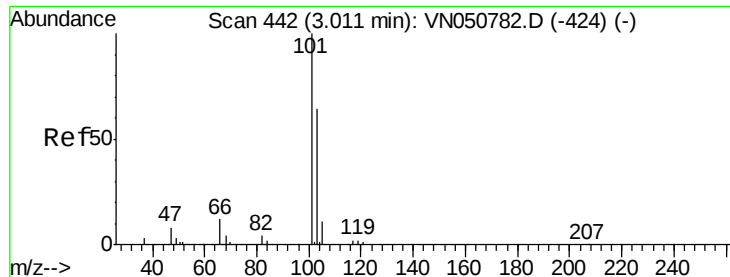
66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 20.10 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion:101 Resp: 269433

Ion Ratio Lower Upper

101 100

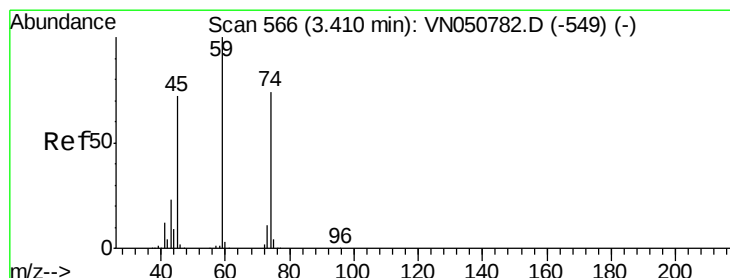
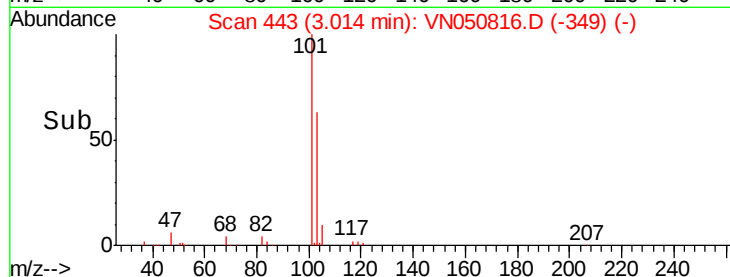
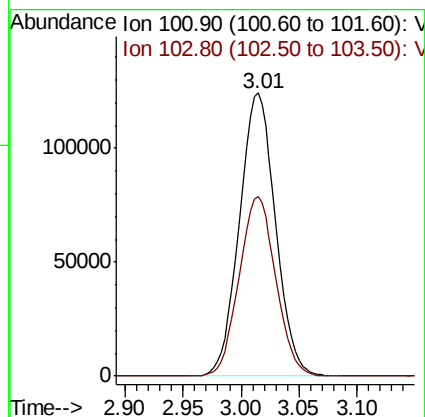
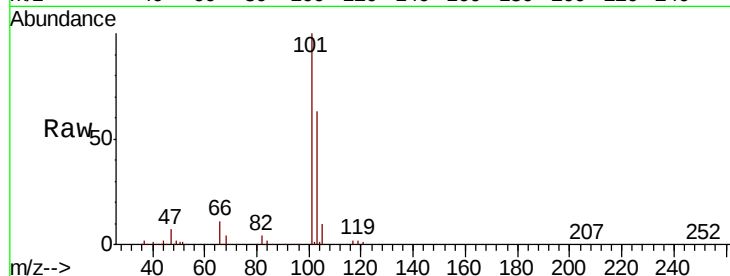
103 63.4 51.6 77.4

Manual Integrations

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#8

Diethyl Ether

Concen: 21.16 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050816.D

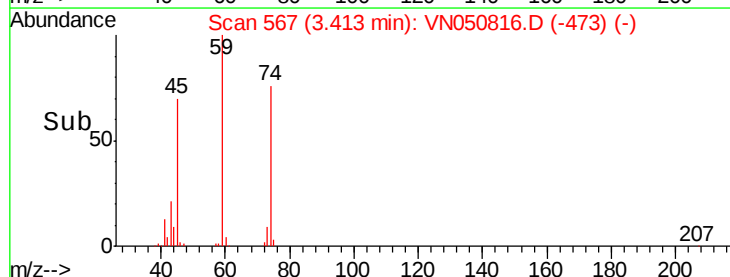
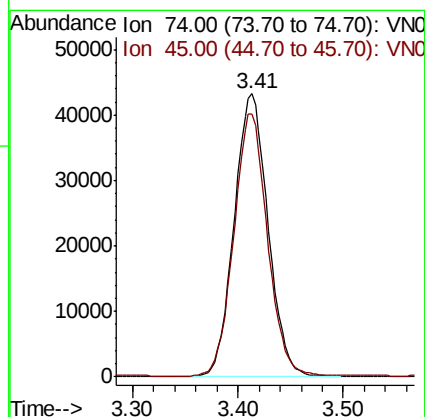
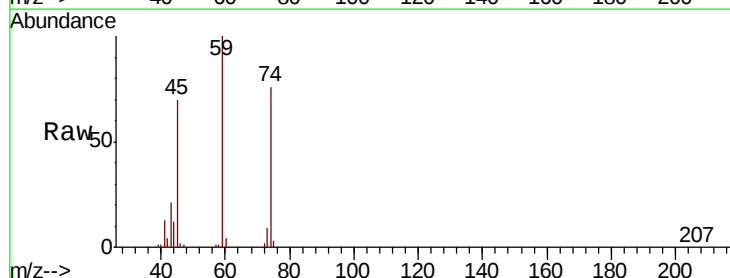
Acq: 22 Aug 2018 13:48

Tgt Ion: 74 Resp: 96450

Ion Ratio Lower Upper

74 100

45 92.8 48.2 144.6





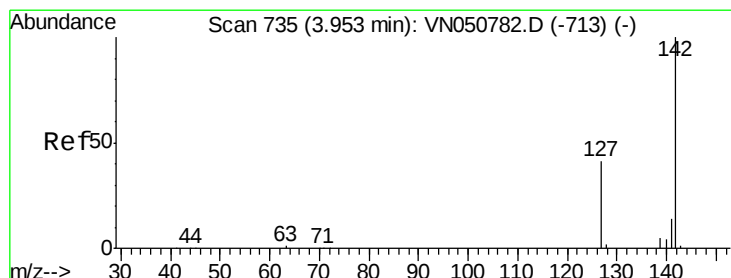
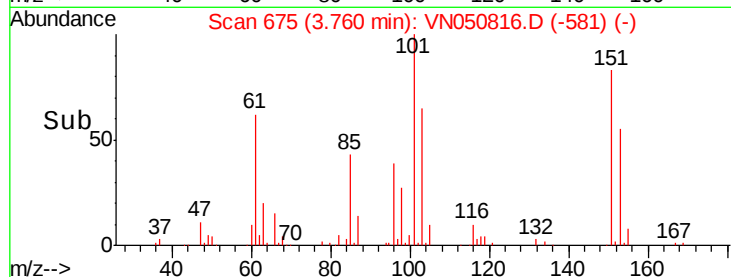
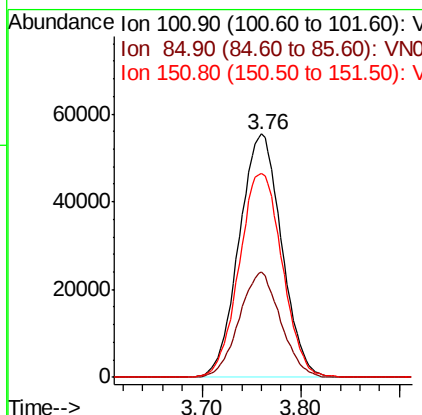
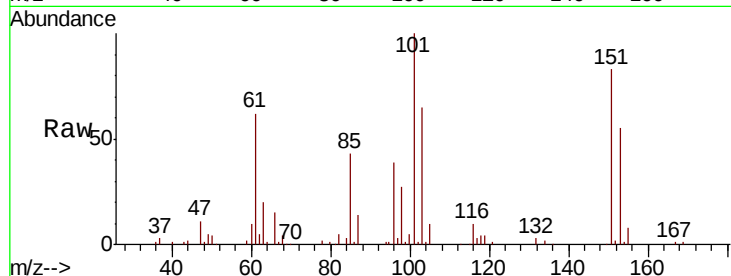
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.70 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	165024		
85	42.1		33.7	50.5
151	85.1		67.4	101.2

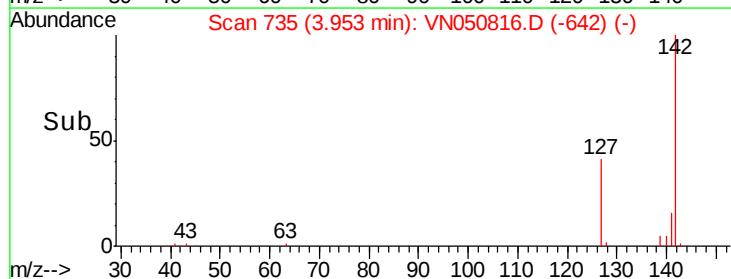
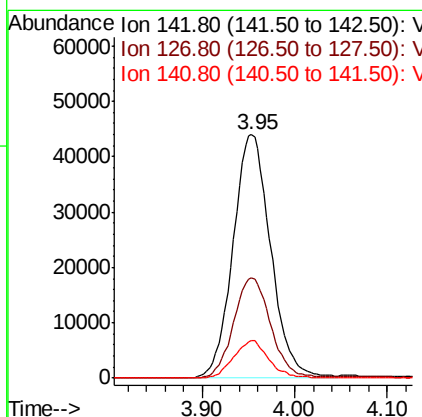
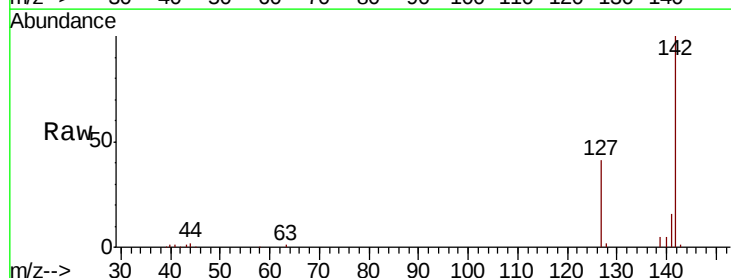
Manual Integrations
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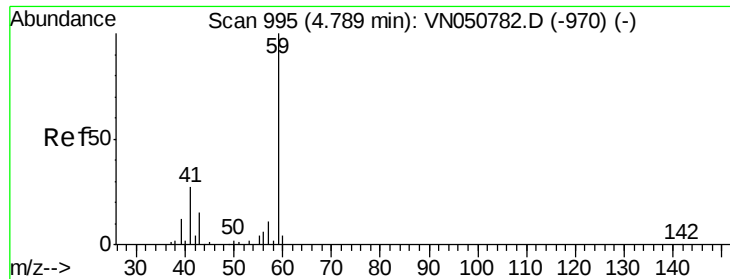
MMDadoda
 8/23/2018 12:26:54 PM



#10
 Methyl Iodide
 Concen: 21.10 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	124218		
127	40.6		31.7	47.5
141	14.4		11.4	17.0





#11

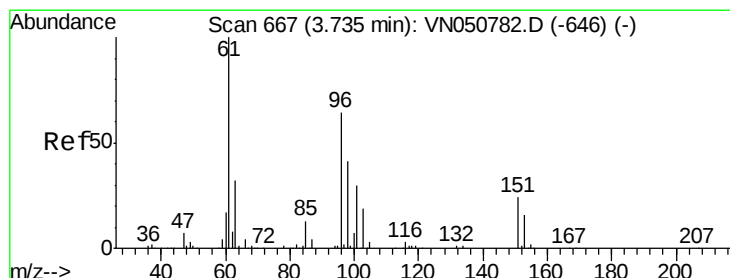
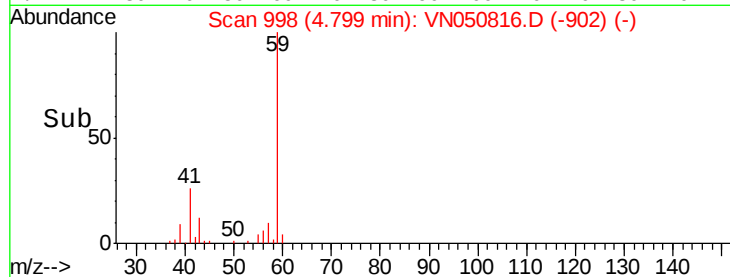
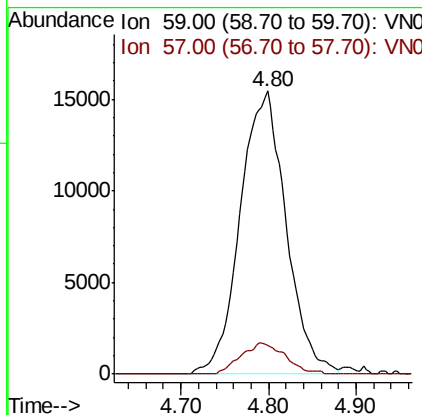
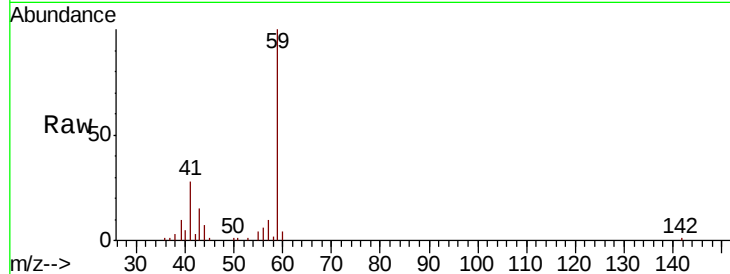
Tert butyl alcohol
 Concen: 109.48 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
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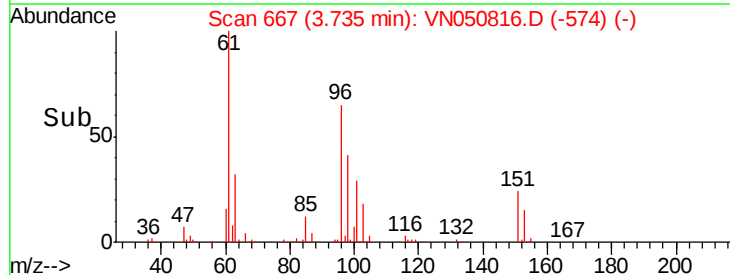
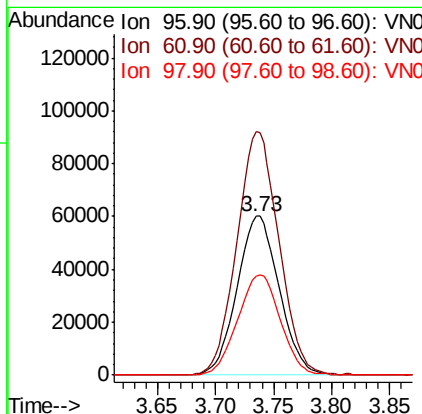
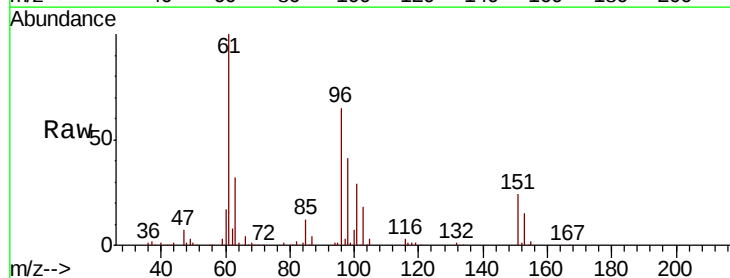
MMDadoda
 8/23/2018 12:26:54 PM

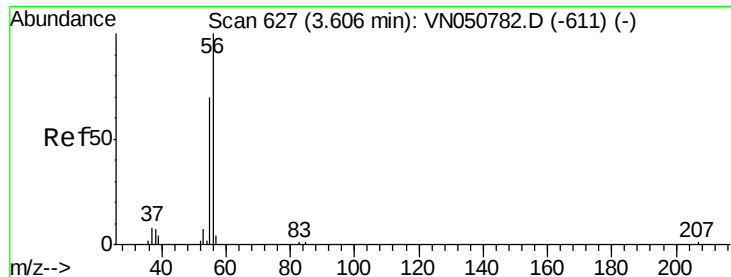


#12

1,1-Dichloroethene
 Concen: 20.17 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	124.9	187.3
98	62.6	51.1	76.7





#13

Acrolein

Concen: 105.07 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 56 Resp: 28138

Ion Ratio Lower Upper

56 100

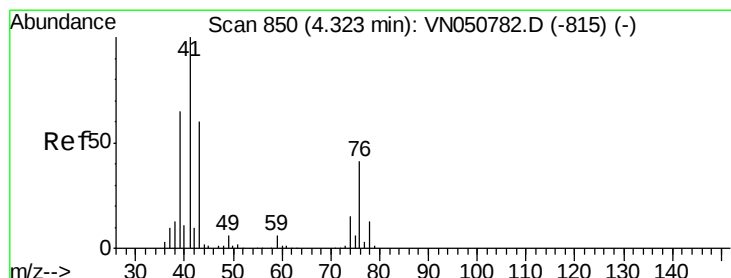
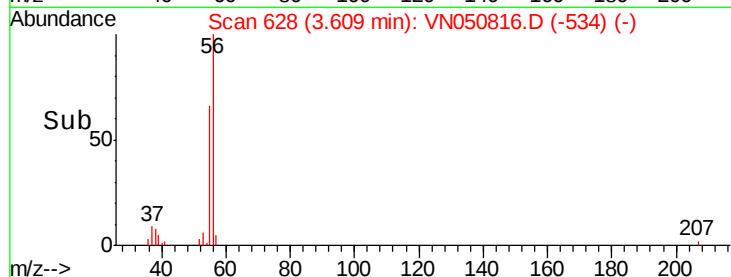
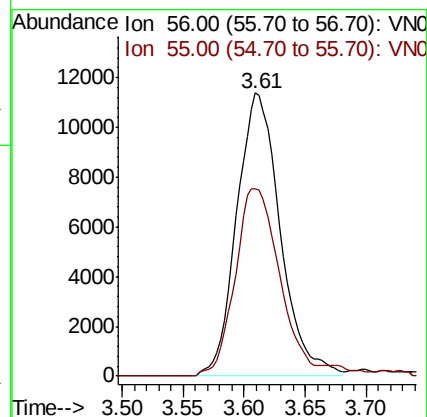
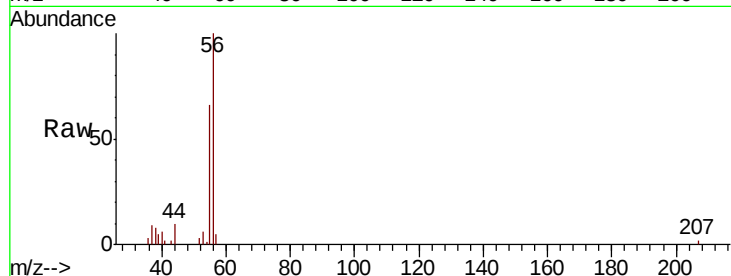
55 67.6 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.81 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

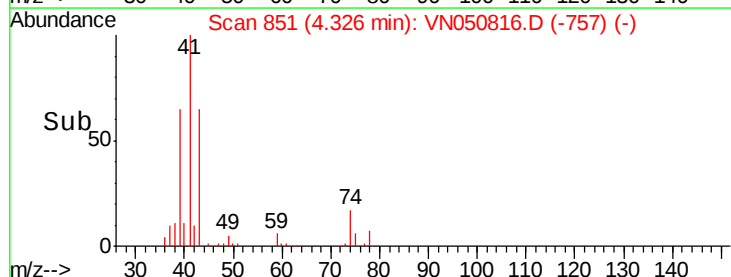
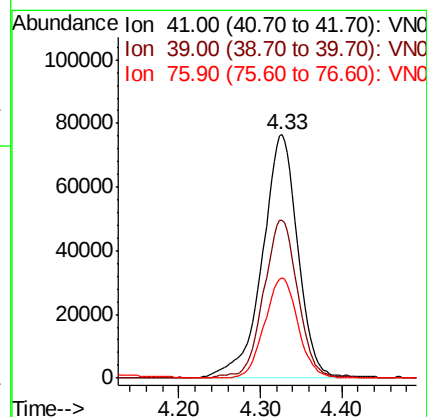
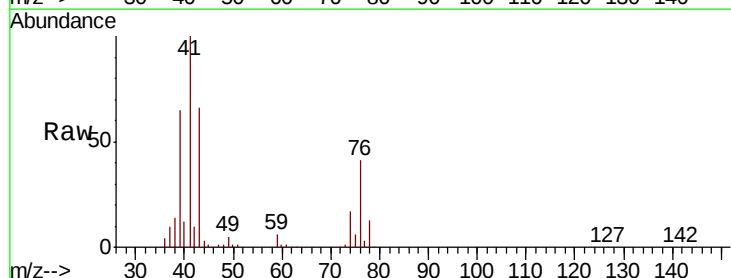
Tgt Ion: 41 Resp: 232139

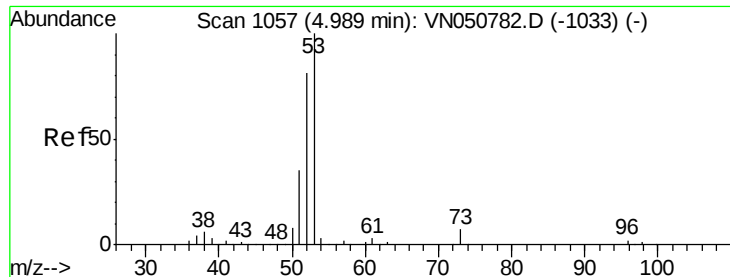
Ion Ratio Lower Upper

41 100

39 62.7 50.2 75.2

76 38.8 29.8 44.8





#15

Acrylonitrile

Concen: 104.44 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

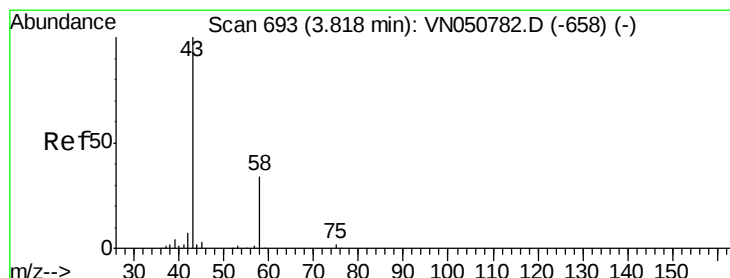
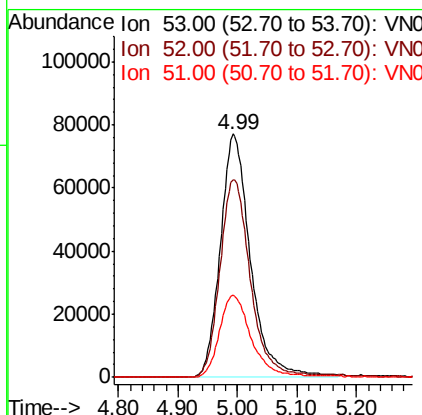
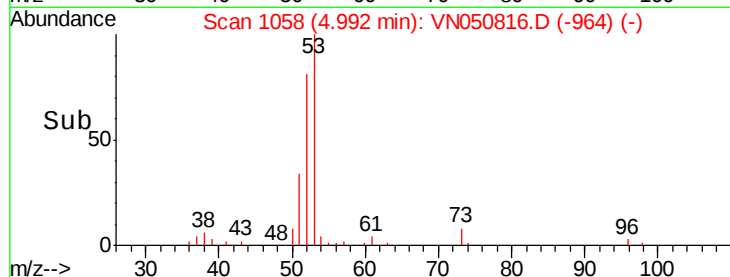
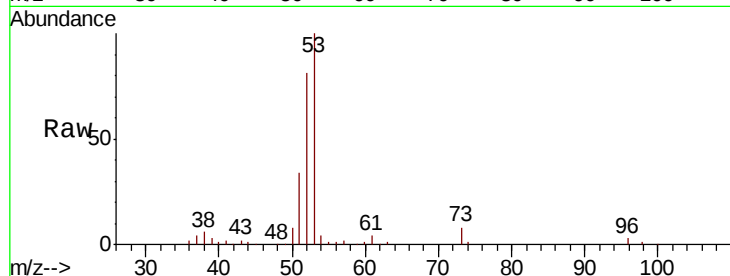
ClientSampleId :

VN0822WBSD01

Tot Ion:	53	Resp:	272421
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.9	98.9
51	35.7	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 93.44 ug/l

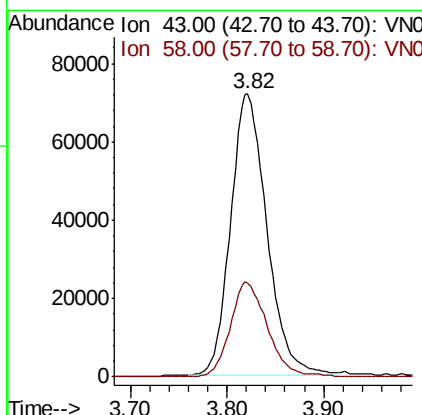
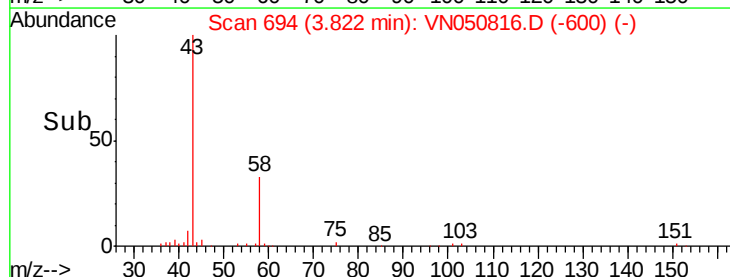
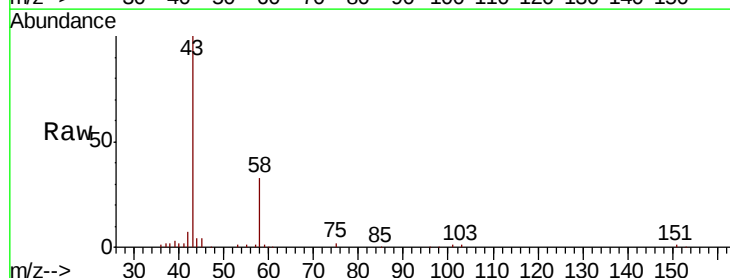
RT: 3.82 min Scan# 694

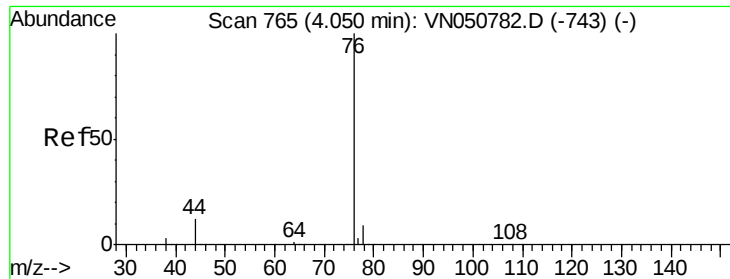
Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion:	43	Resp:	186778
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.2	40.8





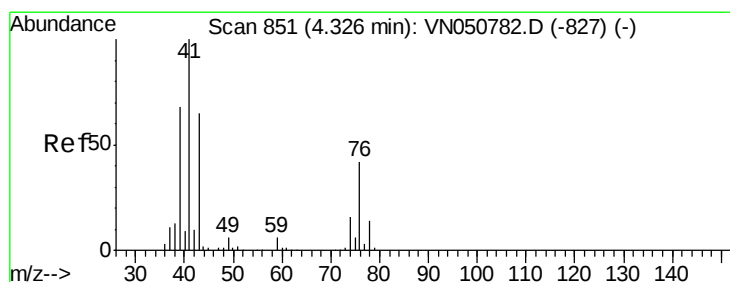
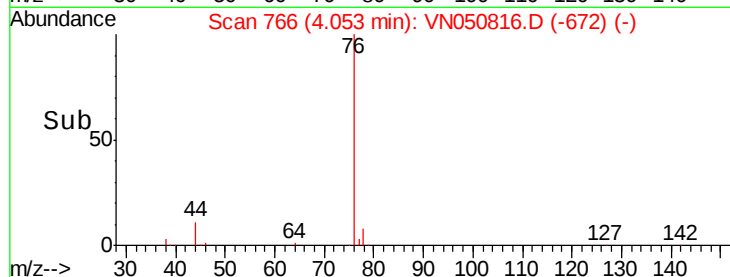
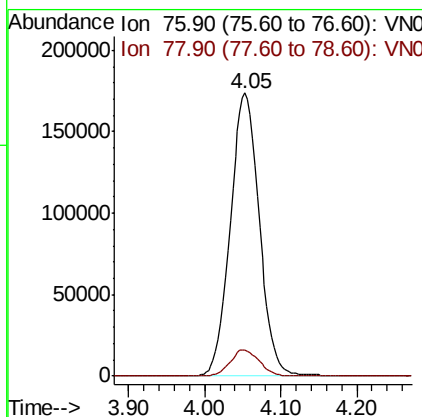
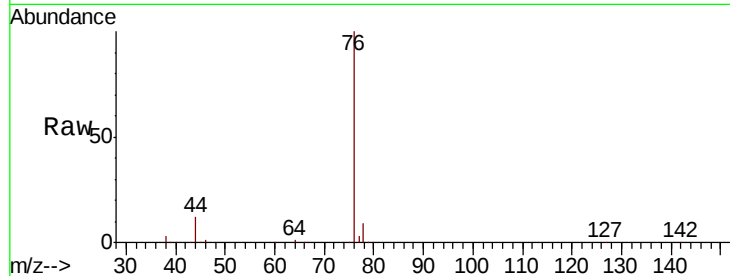
#17
Carbon Disulfide
Concen: 18.29 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

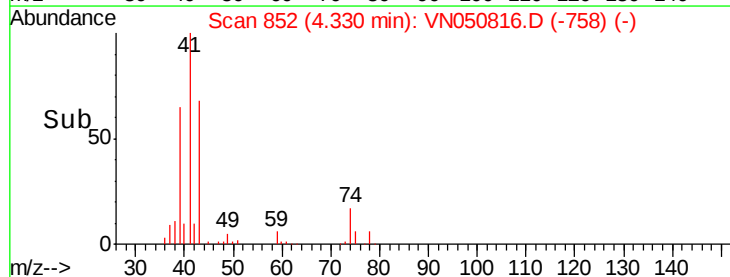
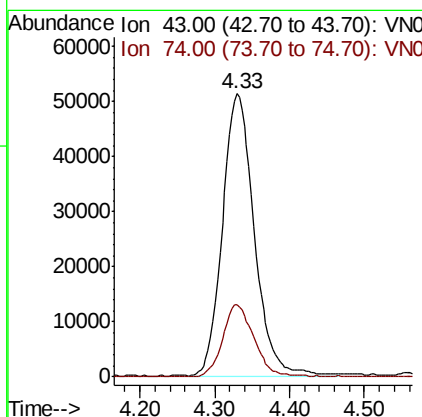
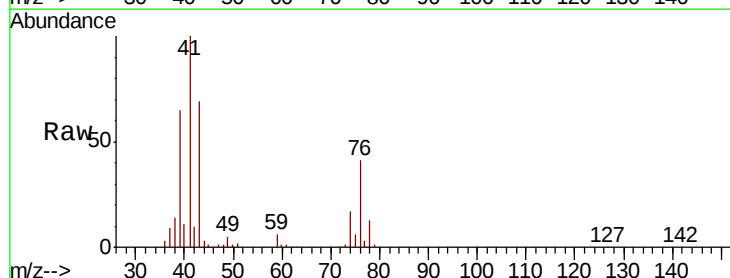
Manual Integrations
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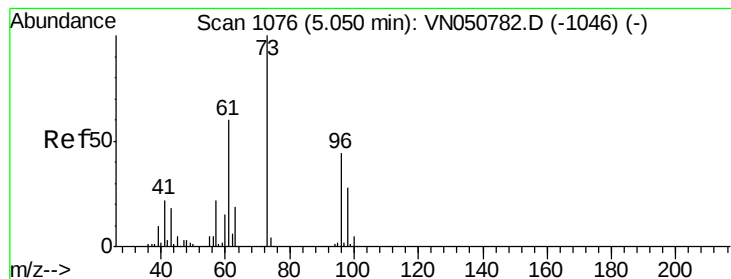
MMDadoda
8/23/2018 12:26:54 PM



#18
Methyl Acetate
Concen: 19.80 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.8	29.8





#19

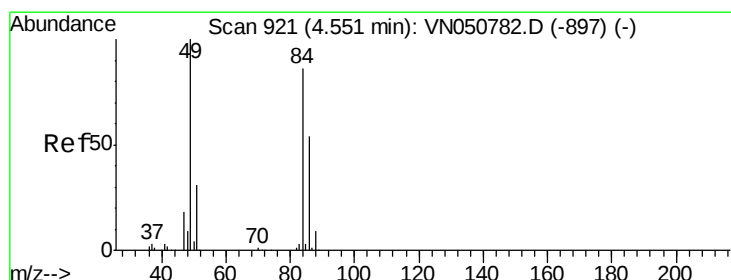
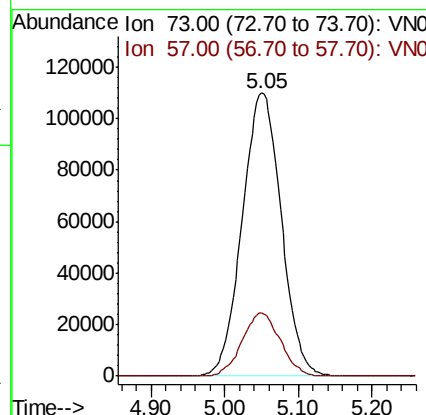
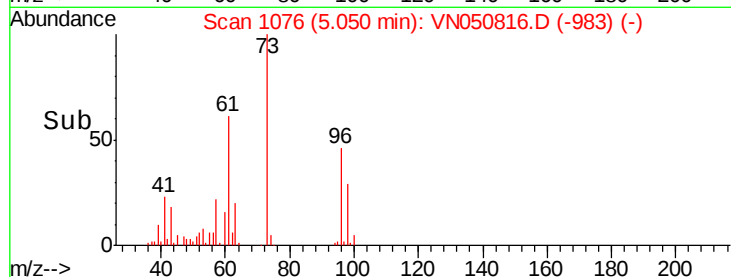
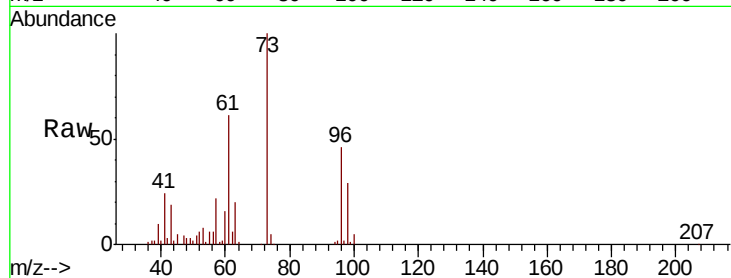
Methvl tert-butvl Ether
 Concen: 21.43 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion: 73 Resp: 405409
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.8

Manual Integrations
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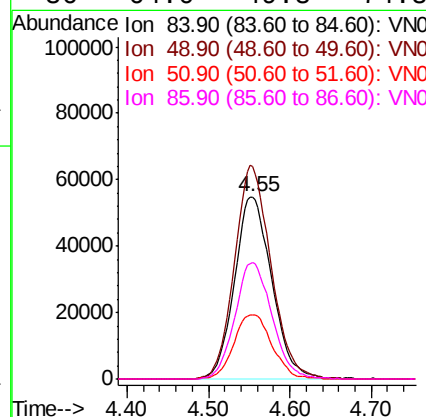
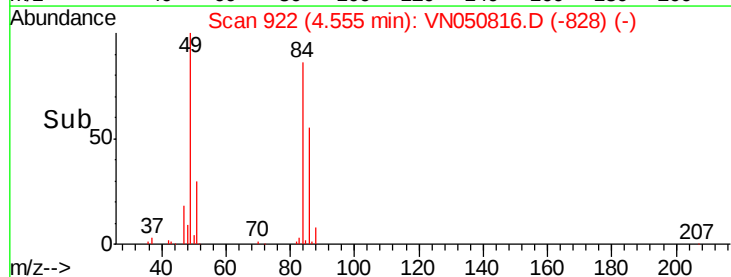
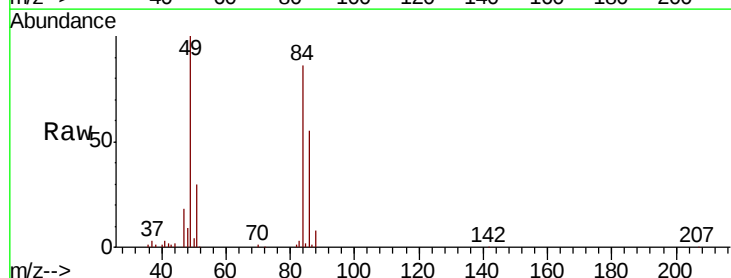
MMDadoda
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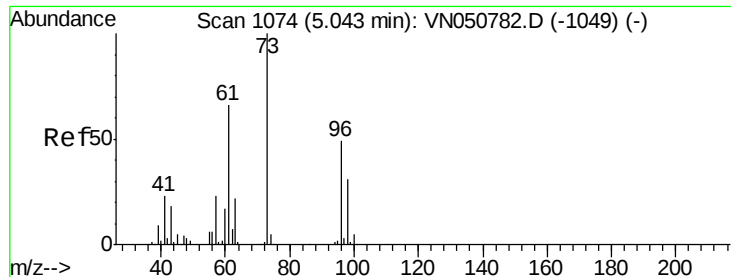


#20

Methylene Chloride
 Concen: 19.22 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 84 Resp: 174548
 Ion Ratio Lower Upper
 84 100
 49 116.3 93.2 139.8
 51 35.4 29.0 43.6
 86 64.0 49.8 74.8





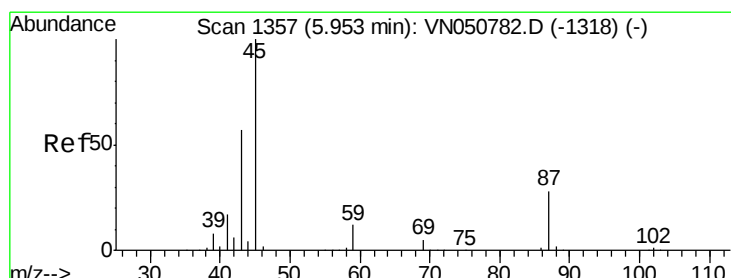
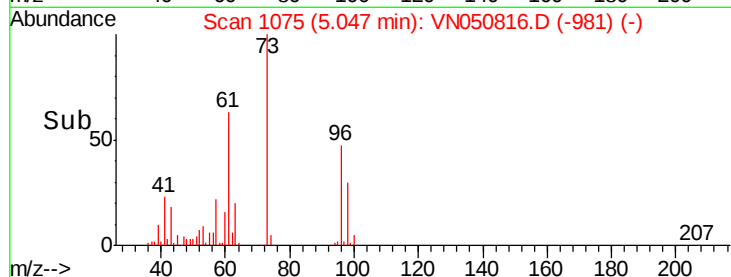
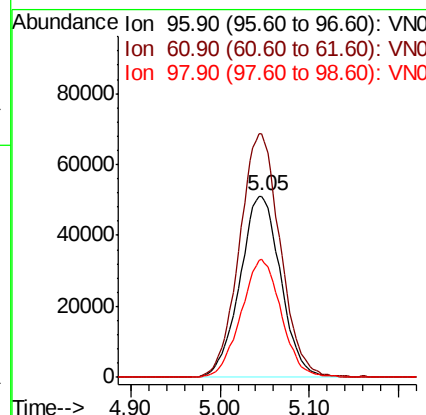
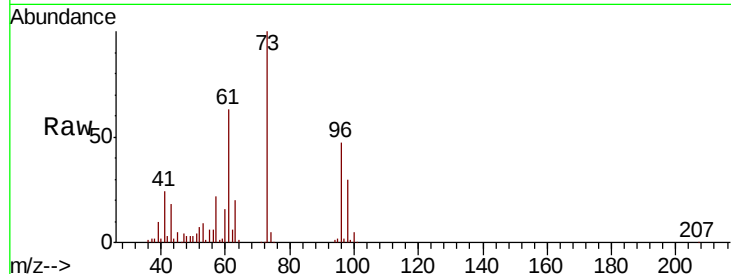
#21
trans-1,2-Dichloroethene
Concen: 19.93 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	107.4	161.0
98	65.0	50.7	76.1

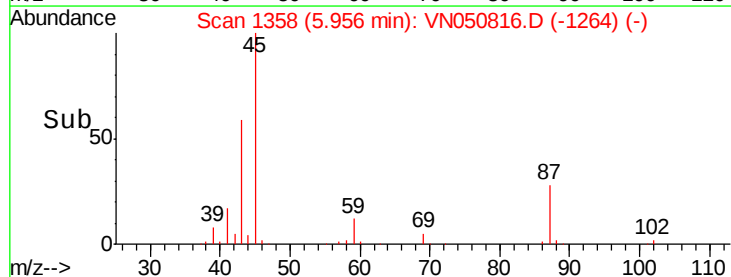
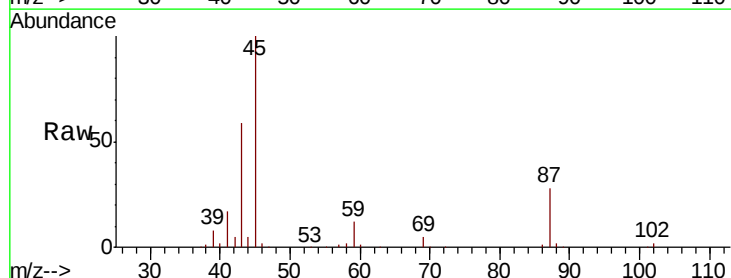
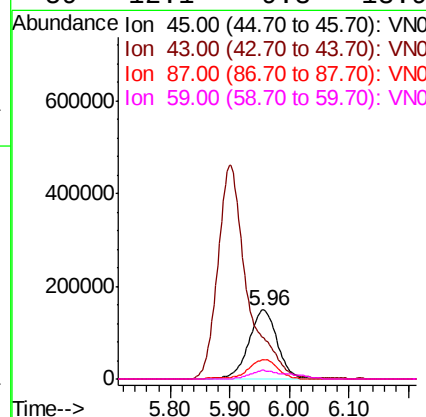
Manual Integrations
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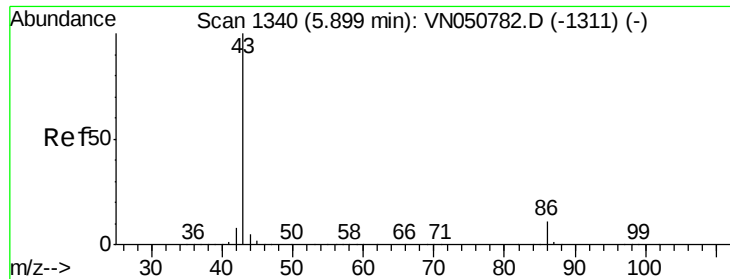
MMDadoda
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#22
Diisopropyl ether
Concen: 21.40 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.9	68.9
87	28.2	22.7	34.1
59	12.1	9.3	13.9





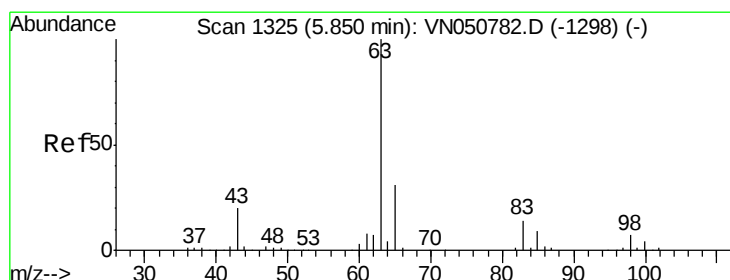
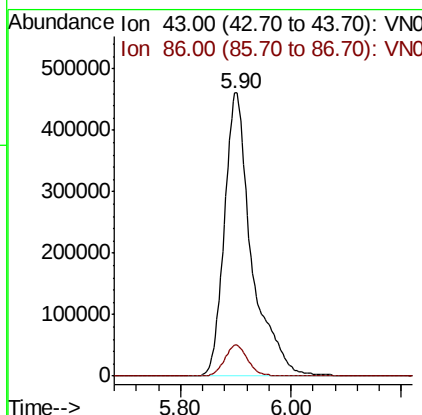
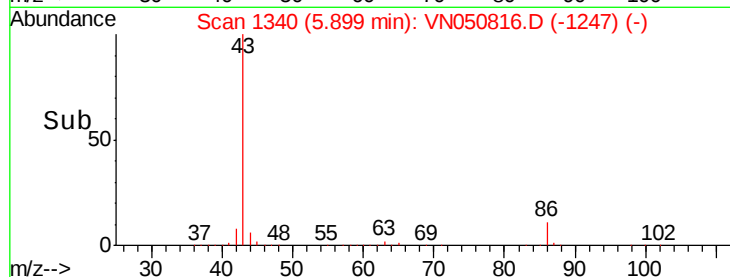
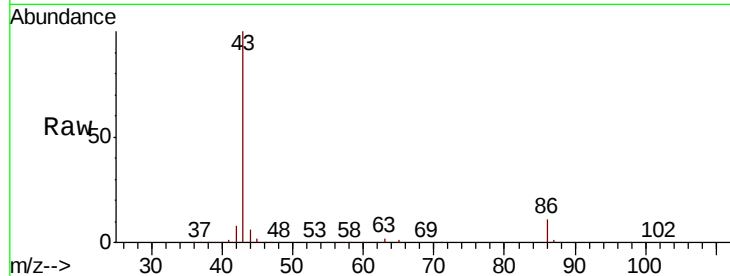
#23
 Vinyl Acetate
 Concen: 105.13 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion: 43 Resp: 1580919
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.7 13.1

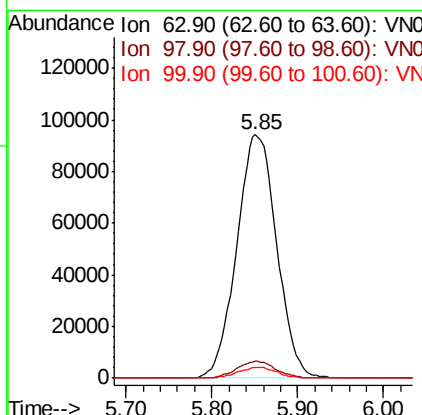
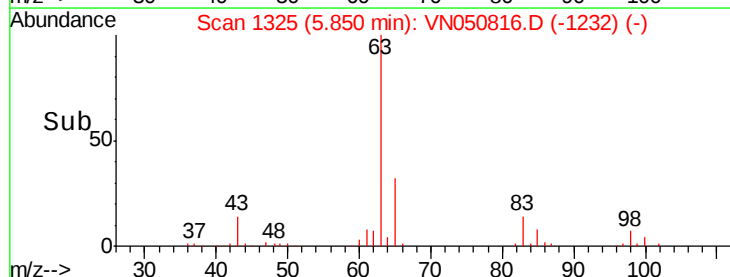
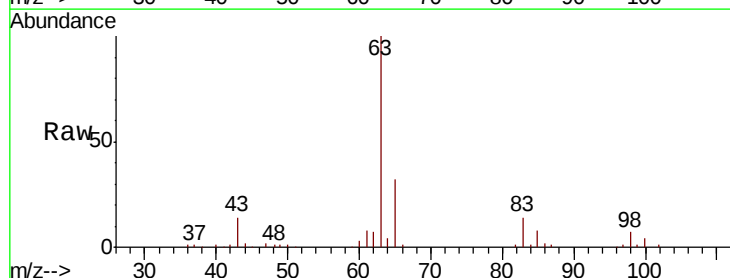
Manual Integrations
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 8/23/2018 12:26:54 PM



#24
 1,1-Dichloroethane
 Concen: 20.31 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 63 Resp: 304424
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.4 2.1 6.5





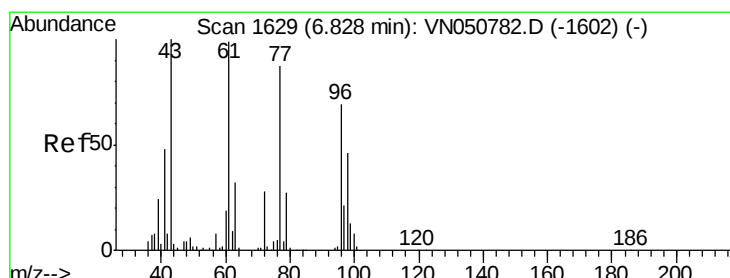
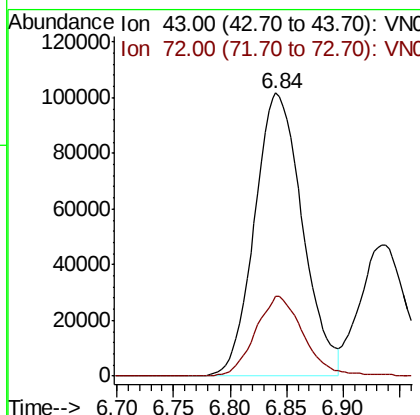
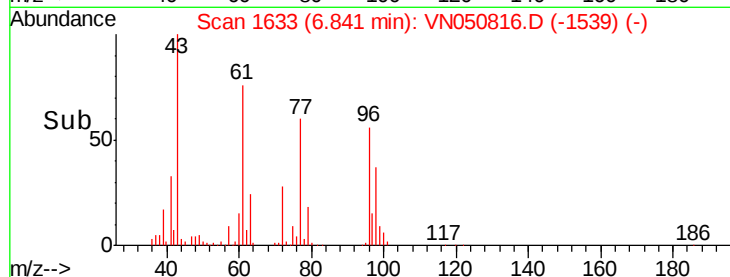
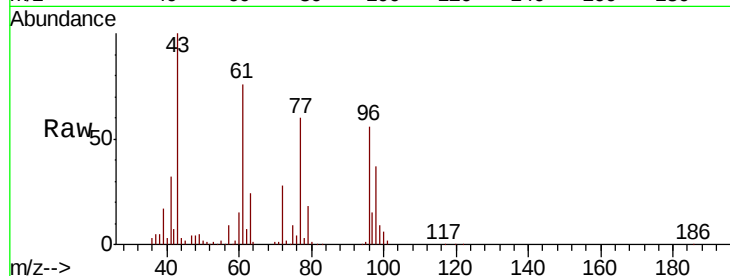
#25
 2-Butanone
 Concen: 91.66 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion: 43 Resp: 297721
 Ion Ratio Lower Upper
 43 100
 72 28.1 22.3 33.5

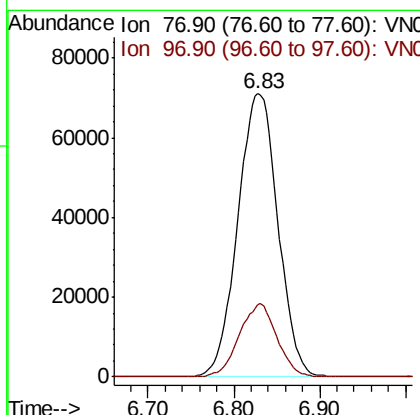
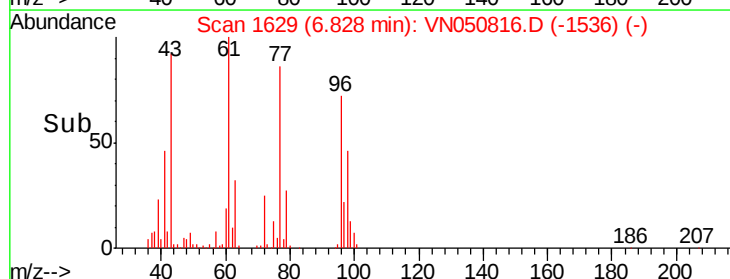
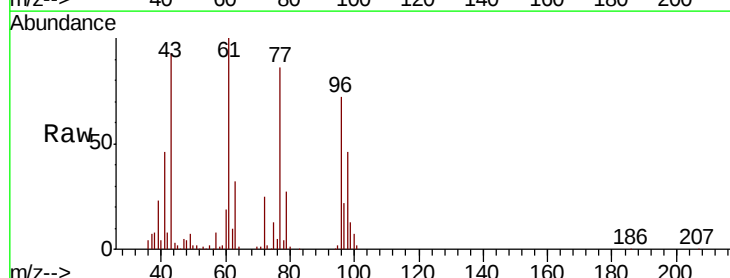
Manual Integrations
 APPROVED

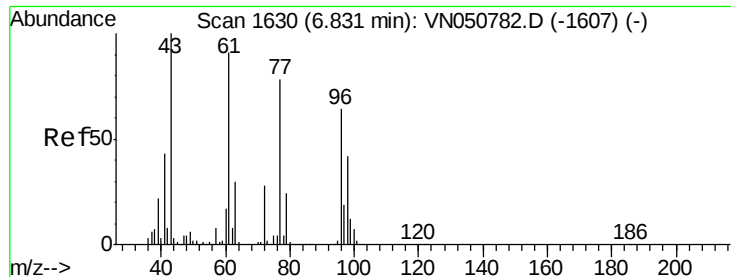
MMDadoda
 8/23/2018 12:26:54 PM



#26
 2,2-Dichloropropane
 Concen: 19.10 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion: 77 Resp: 230062
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.62 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

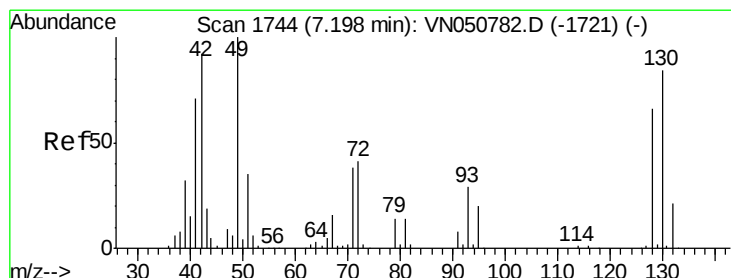
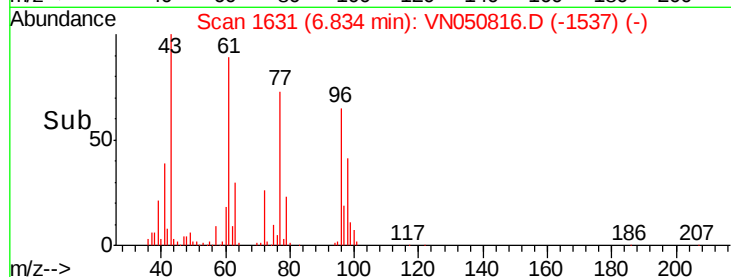
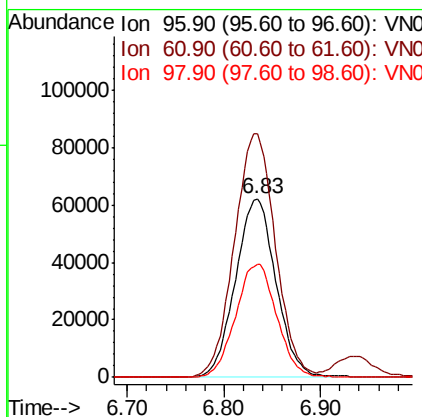
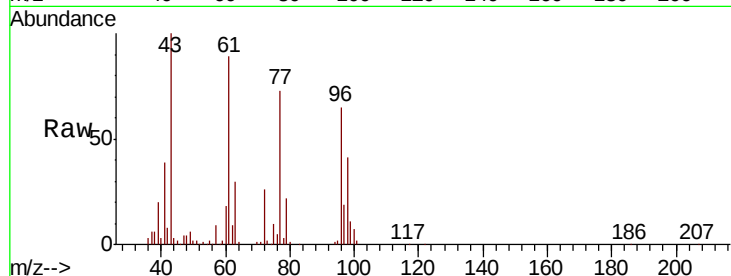
ClientSampleId :

VN0822WBSD01

Tot Ion:	96	Resp:	180838
Ion Ratio	Lower	Upper	
96	100		
61	138.4	0.0	283.4
98	64.6	0.0	129.8

Manual Integrations
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8/23/2018 12:26:54 PM



#28

Bromochloromethane

Concen: 18.42 ug/l

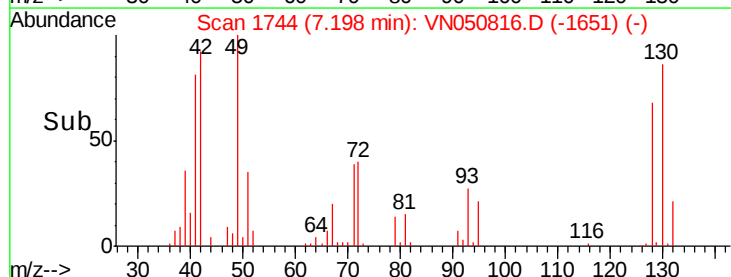
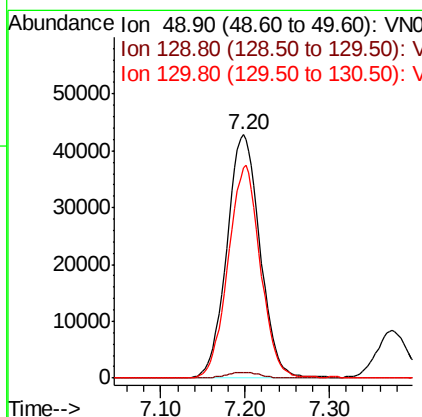
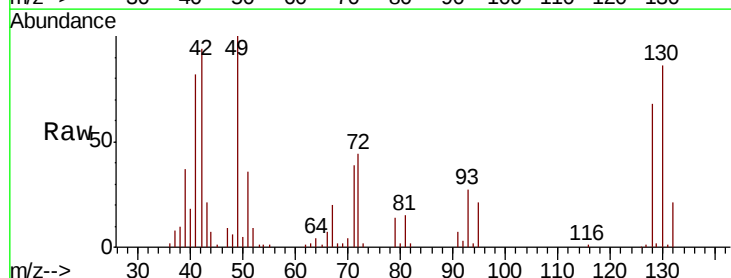
RT: 7.20 min Scan# 1744

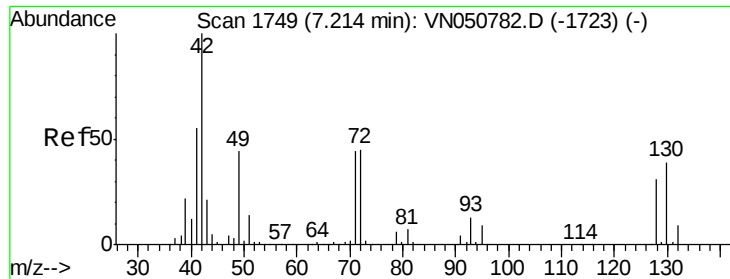
Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion:	49	Resp:	117309
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.2
130	84.7	67.1	100.7





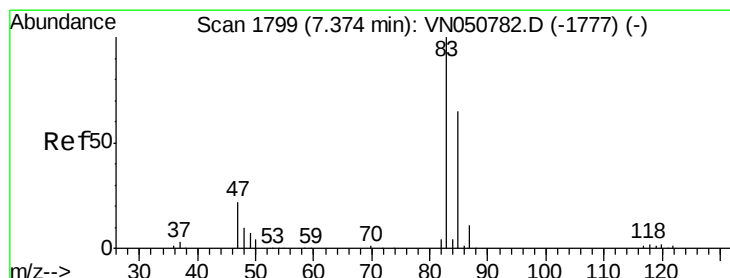
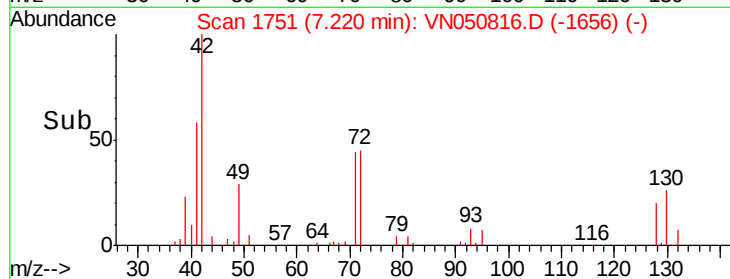
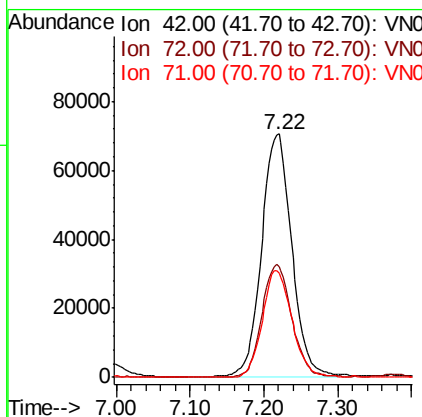
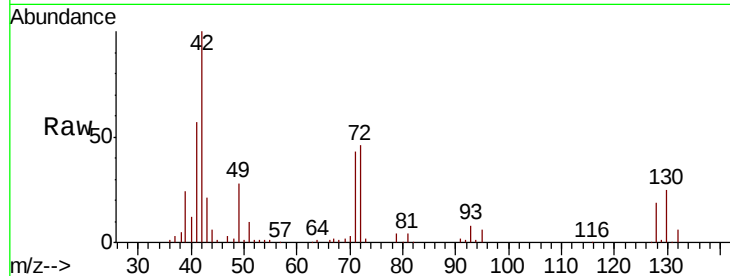
#29
Tetrahydrofuran
Concen: 108.74 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.5	53.3
71	42.9	33.7	50.5

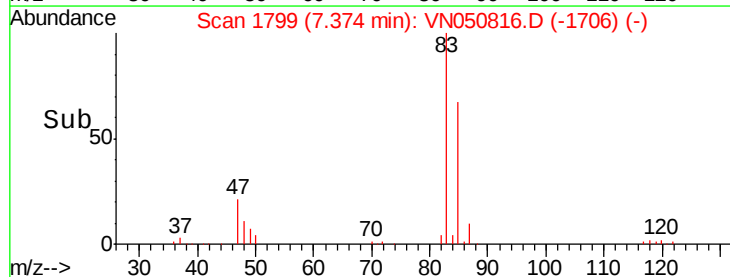
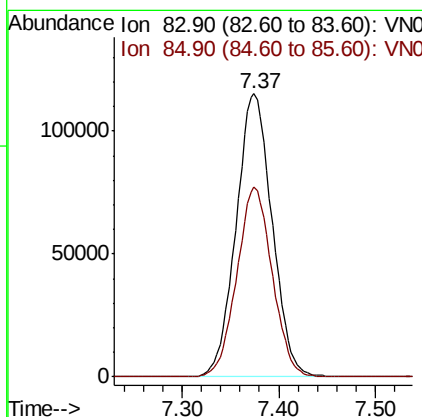
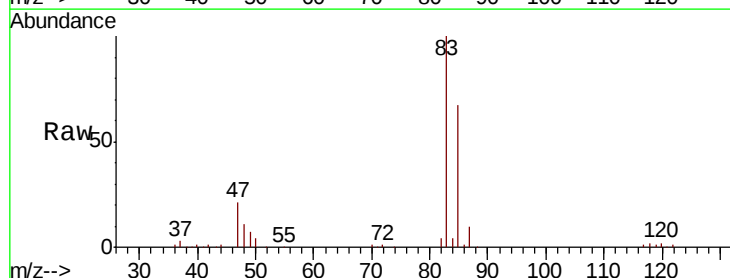
Manual Integrations
APPROVED

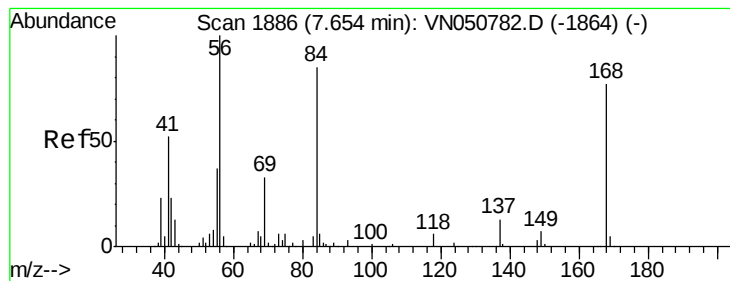
MMDadoda
8/23/2018 12:26:54 PM



#30
Chloroform
Concen: 20.09 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.2	78.4





#31

Cyclohexane

Concen: 19.85 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

Tot Ion: 56 Resp: 266618

Ion Ratio Lower Upper

56 100

69 35.6 26.2 39.4

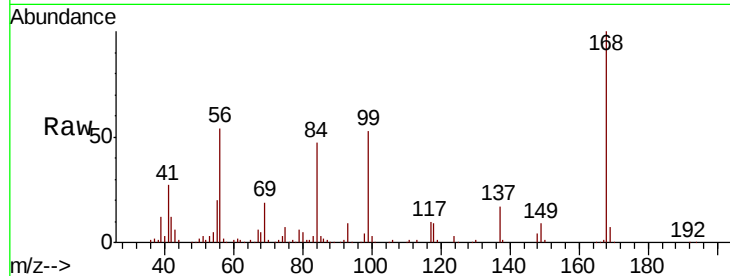
84 87.2 68.3 102.5

Manual Integrations

APPROVED

MMDadoda

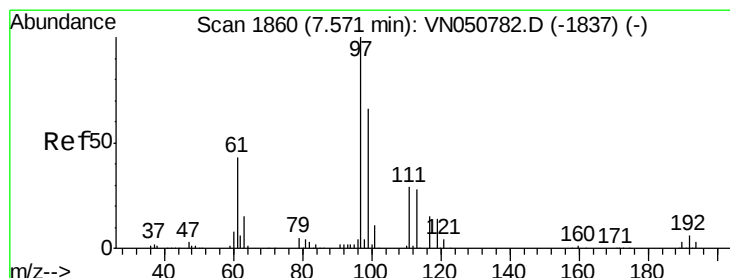
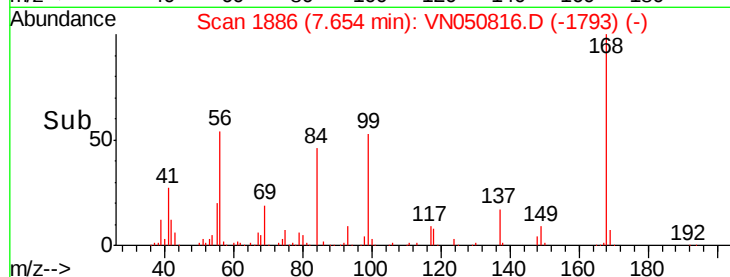
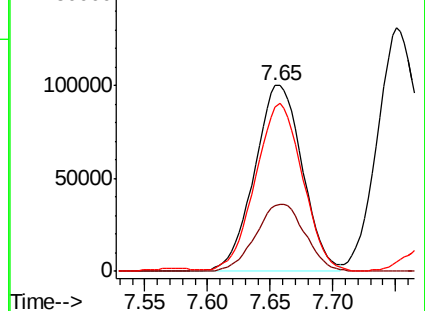
8/23/2018 12:26:54 PM



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: VN050816.D

Acq: 22 Aug 2018 13:48

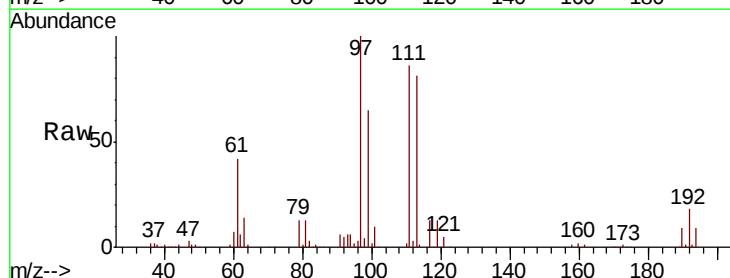
Tgt Ion: 97 Resp: 255882

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

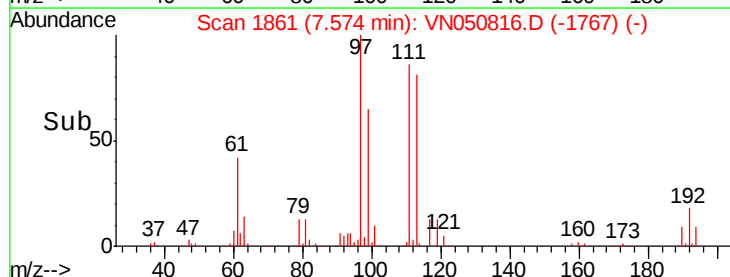
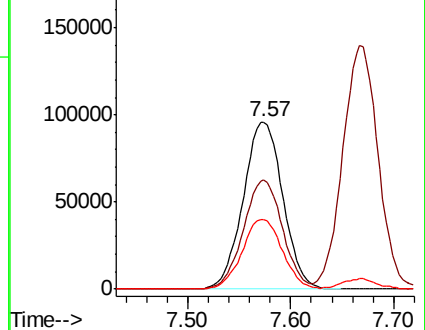
61 42.3 34.9 52.3



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





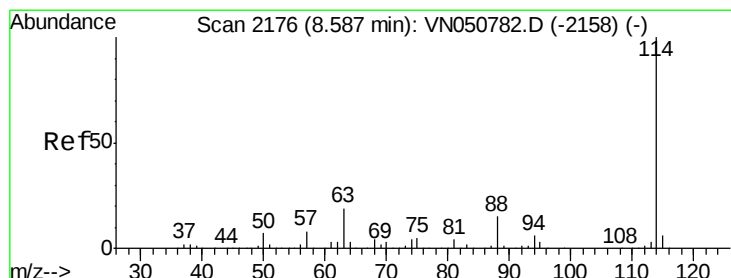
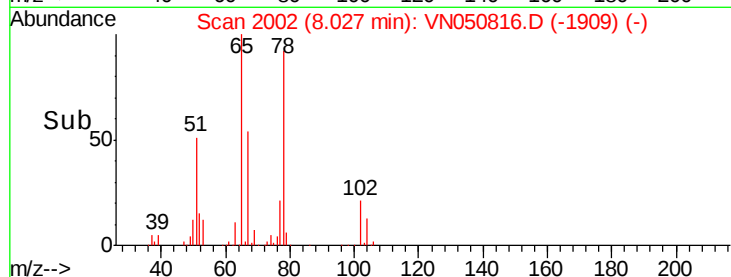
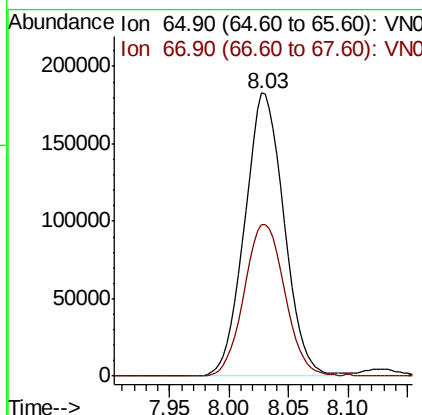
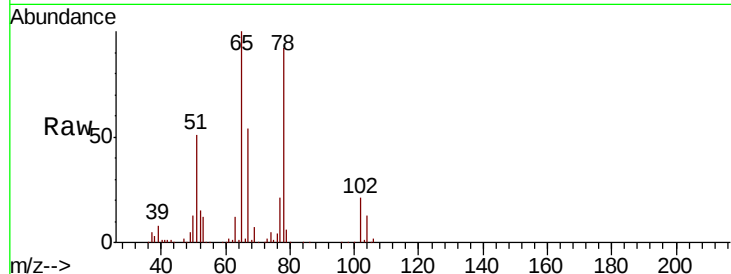
#33
 1,2-Dichloroethane-d4
 Concen: 52.12 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	110.4	

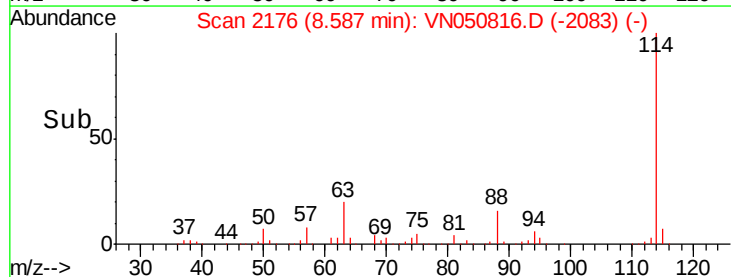
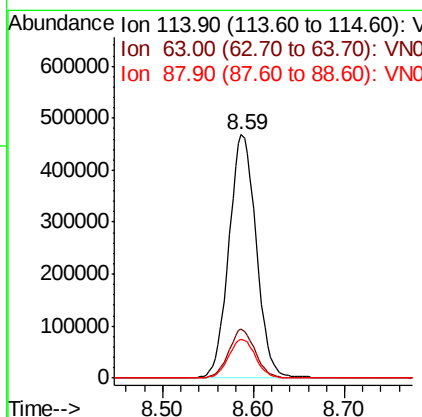
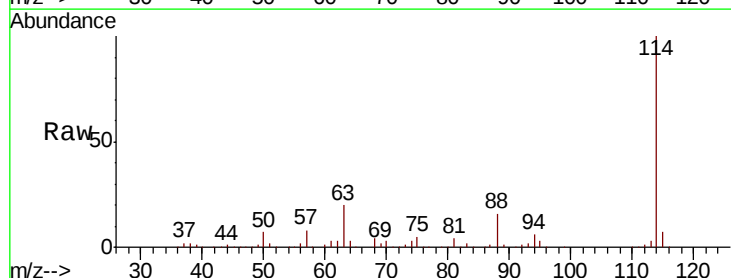
Manual Integrations
 APPROVED

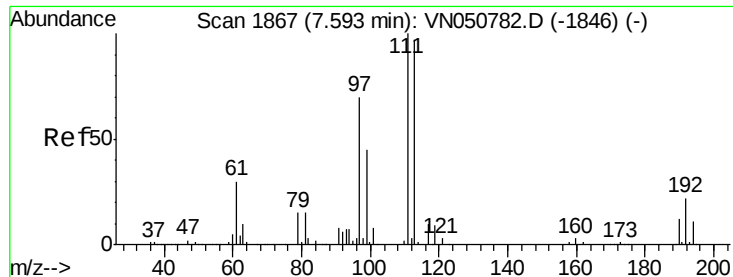
MMDadoda
 8/23/2018 12:26:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	38.6	
88	16.0	0.0	30.6	





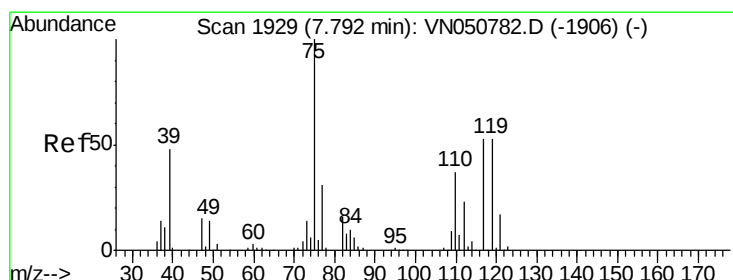
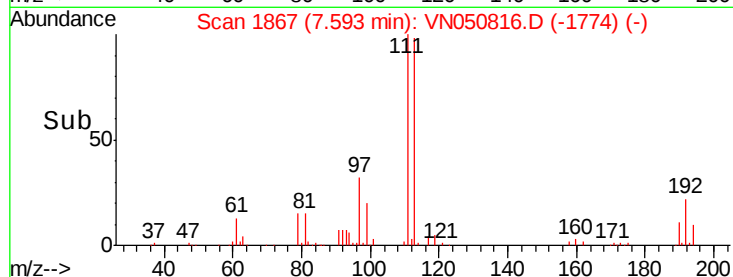
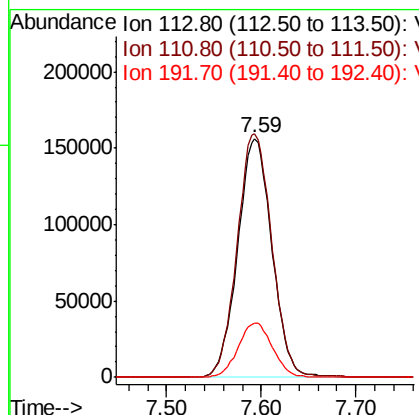
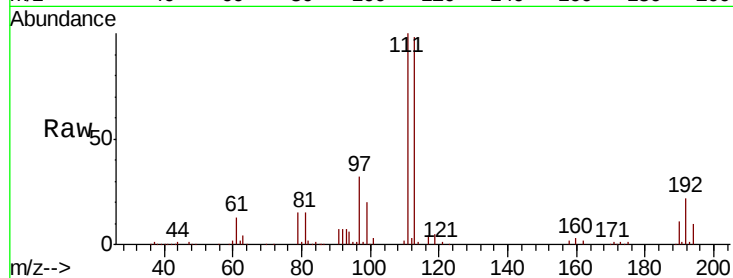
#35
Dibromofluoromethane
Concen: 50.51 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.6	123.8	
192	22.9	18.0	27.0	

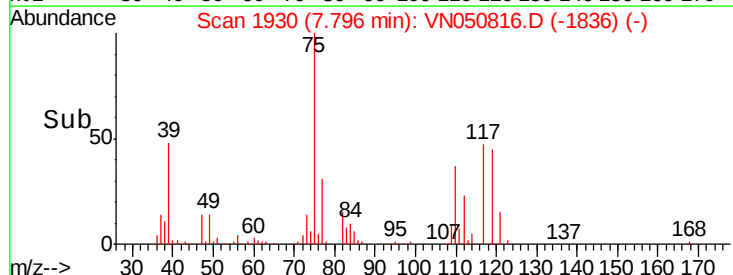
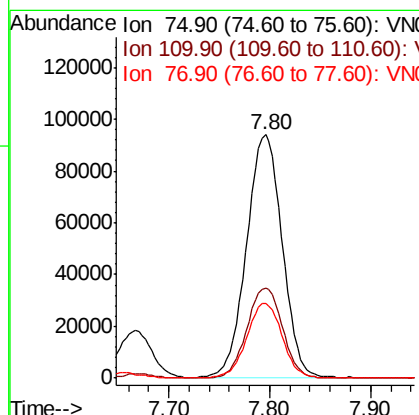
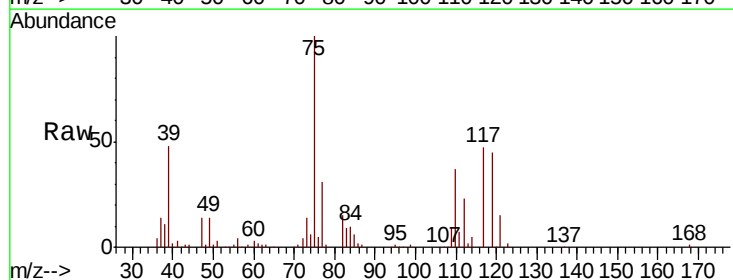
Manual Integrations
APPROVED

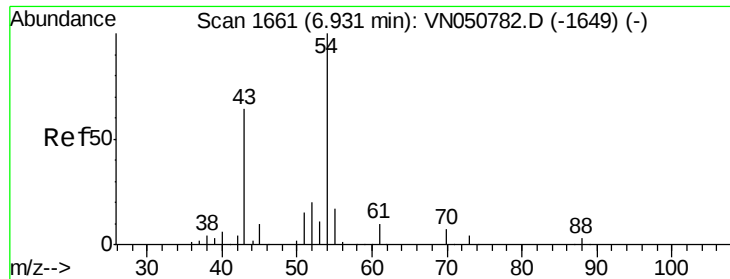
MMDadoda
8/23/2018 12:26:54 PM



#36
1,1-Dichloropropene
Concen: 19.87 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.1	54.4	
77	31.0	24.8	37.2	





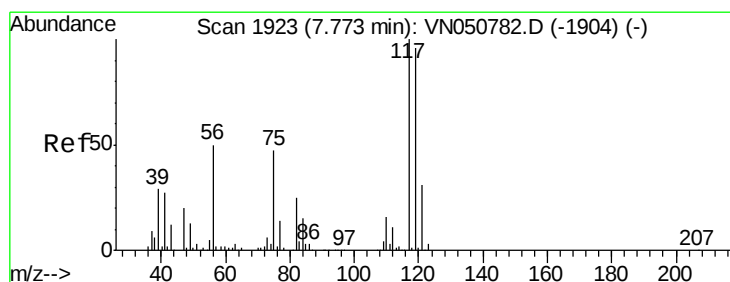
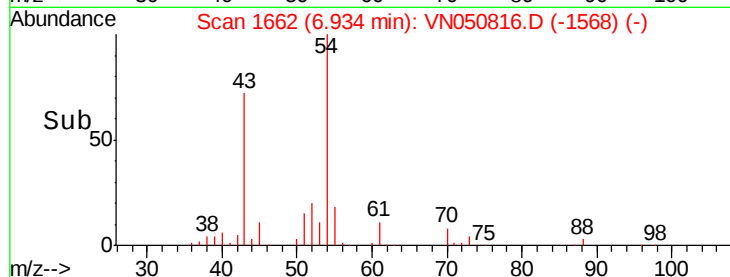
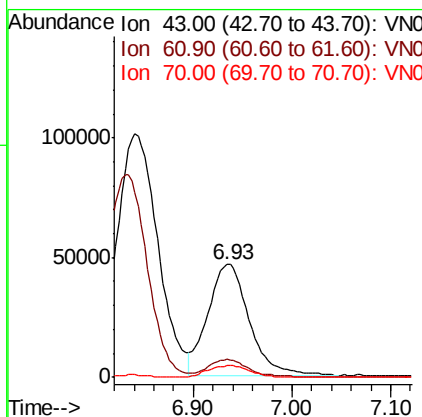
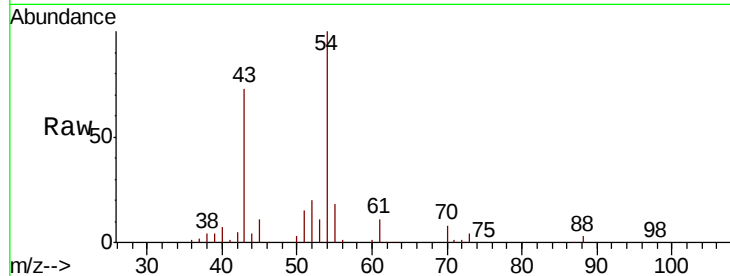
#37
Ethyl Acetate
Concen: 20.66 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	10.9	8.6	13.0

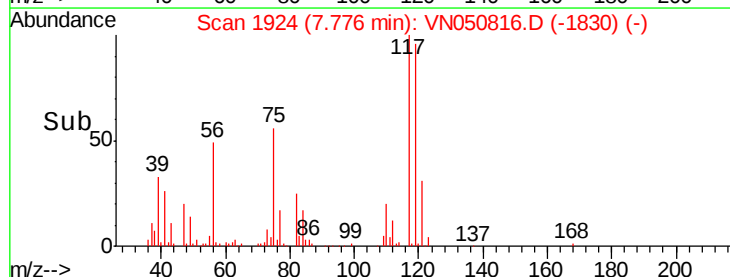
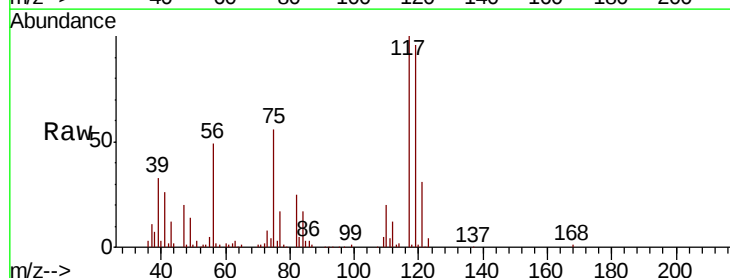
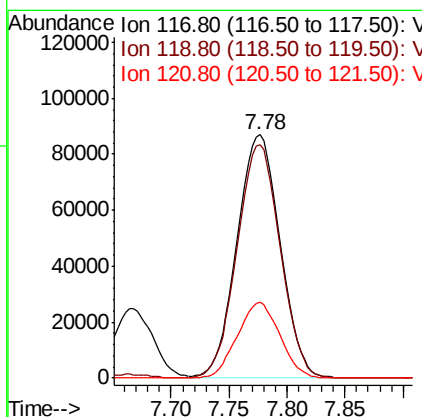
Manual Integrations
APPROVED

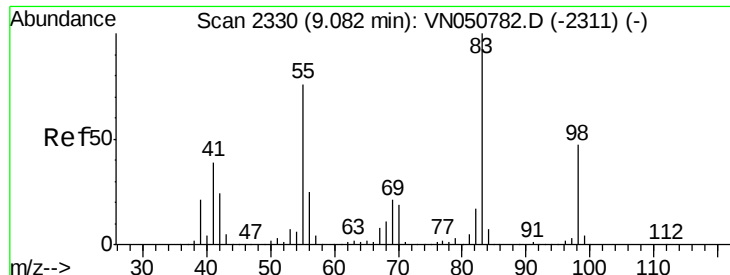
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.27 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.3	114.5
121	31.1	24.6	36.8





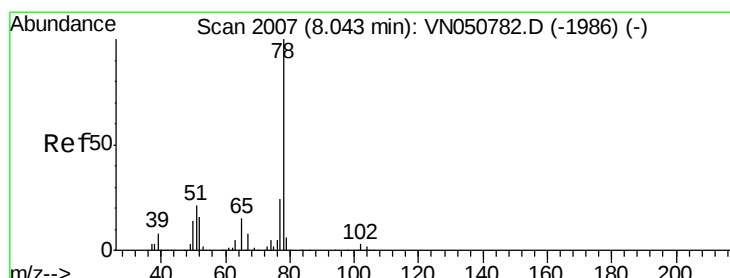
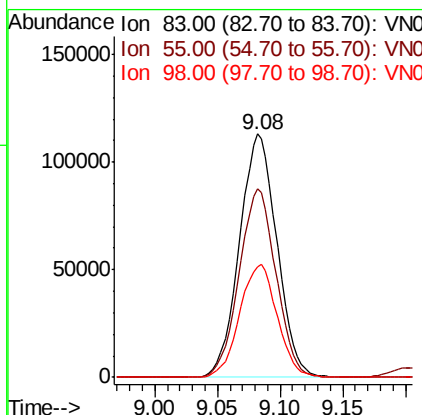
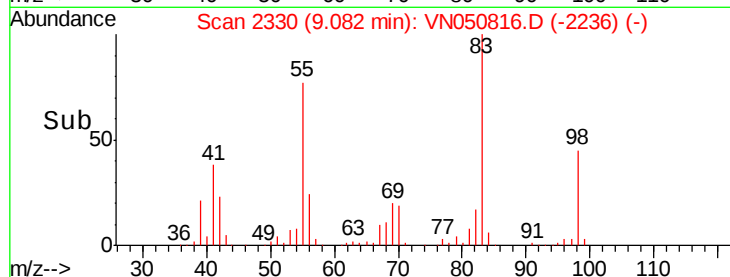
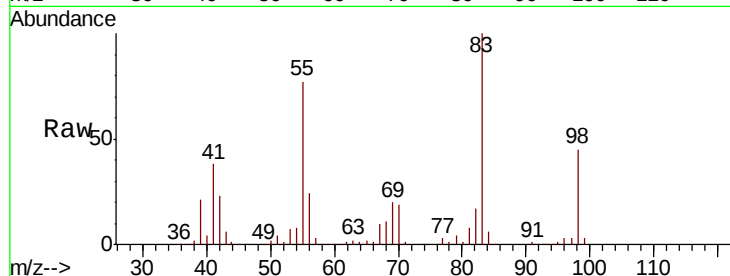
#39
Methvlcvclohexane
Concen: 18.80 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.0	91.4
98	45.3	37.5	56.3

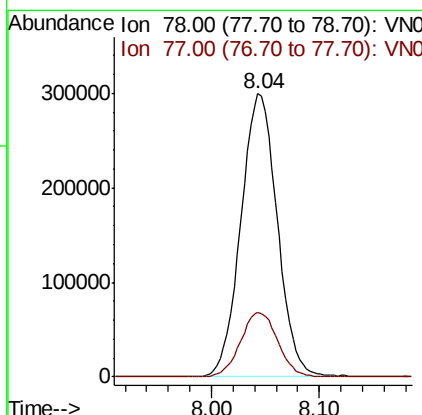
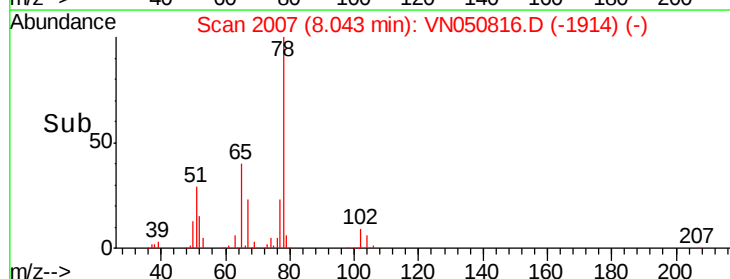
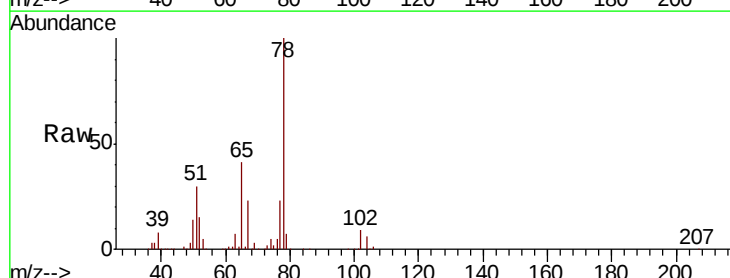
Manual Integrations
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8/23/2018 12:26:54 PM



#40
Benzene
Concen: 20.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





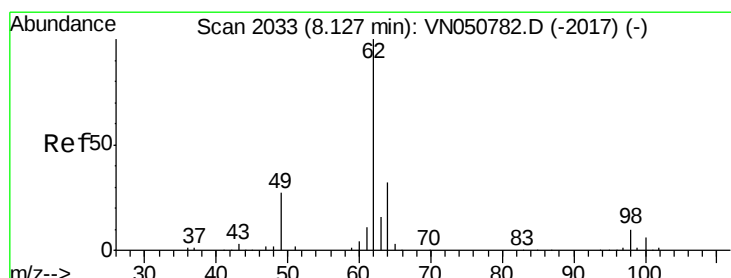
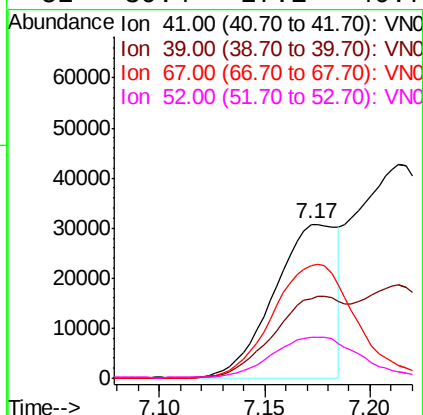
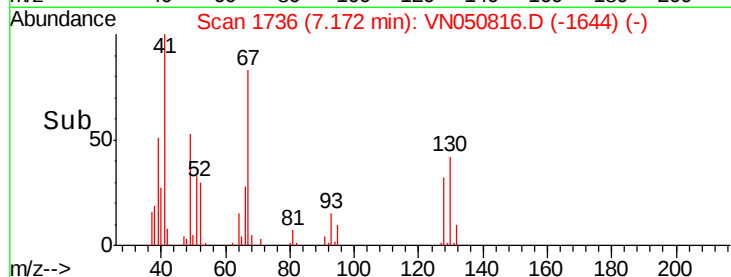
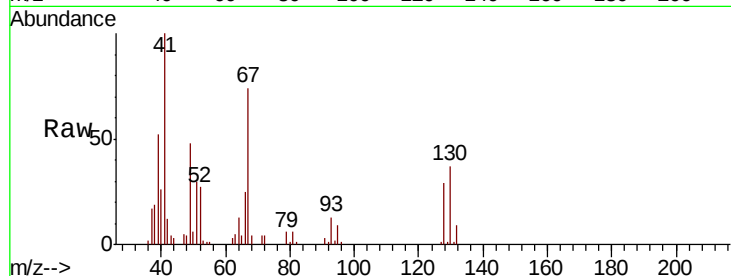
#41
Methacrylonitrile
Concen: 17.86 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.3	45.4	68.0	
67	99.3	70.6	106.0	
52	39.4	27.1	40.7	

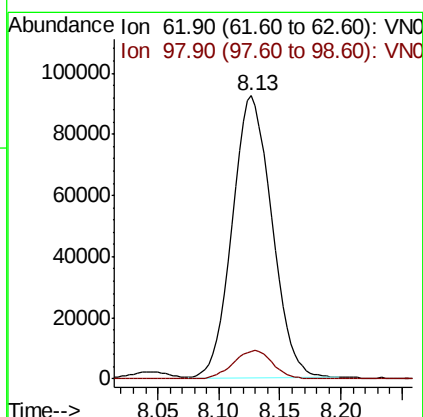
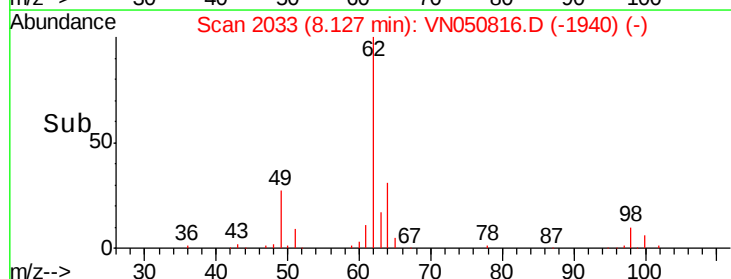
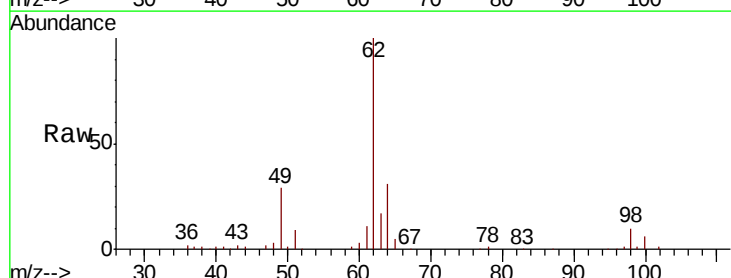
Manual Integrations
APPROVED

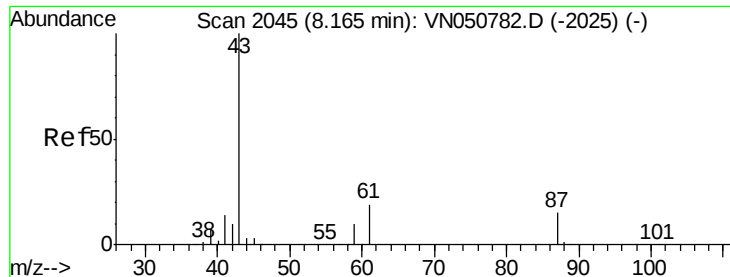
MMDadoda
8/23/2018 12:26:54 PM



#42
1,2-Dichloroethane
Concen: 19.96 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





#43

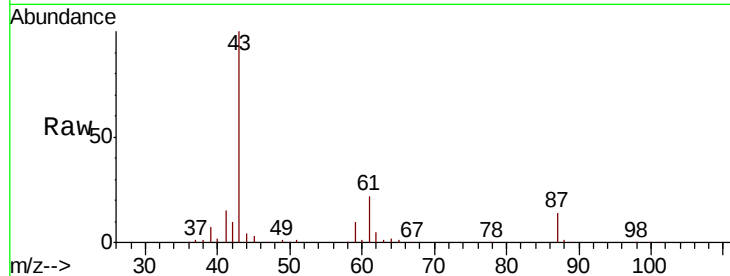
Isopropyl Acetate
 Concen: 21.70 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

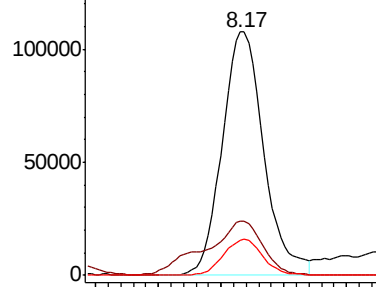
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	17.5	26.3
87	14.0	11.3	16.9

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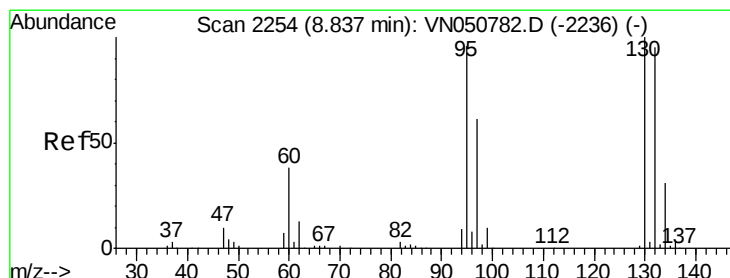
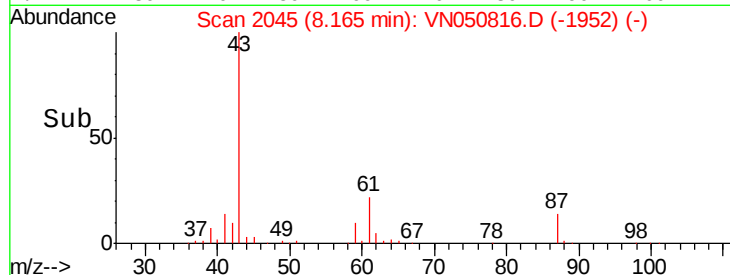
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)
 Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)
 Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)



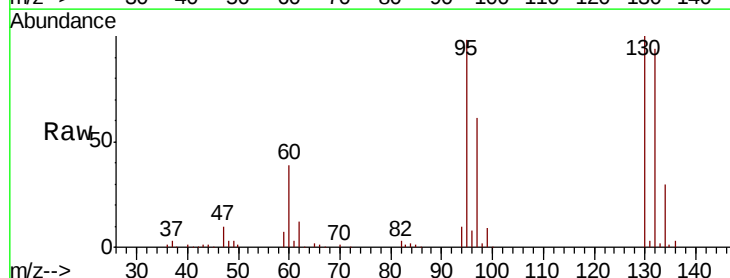
Time-->



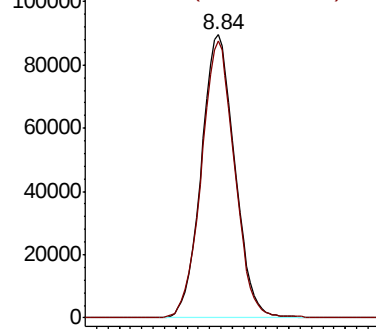
#44

Trichloroethene
 Concen: 20.11 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

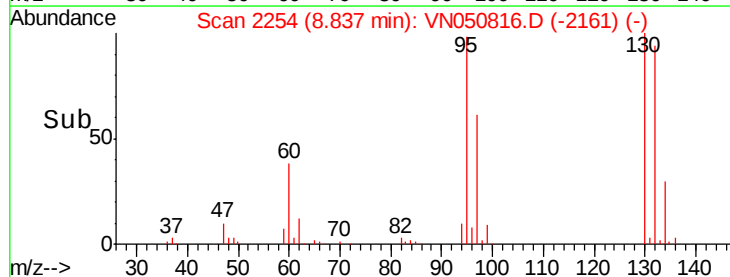
Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	193.0

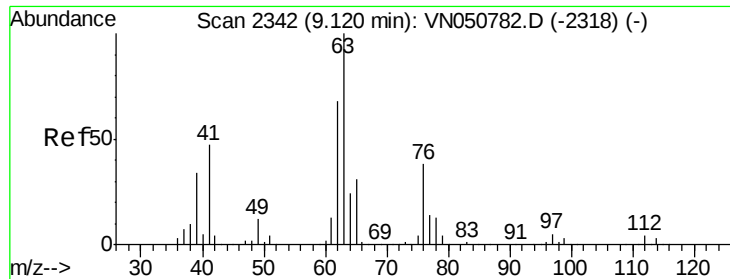


Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)
 Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)



Time-->





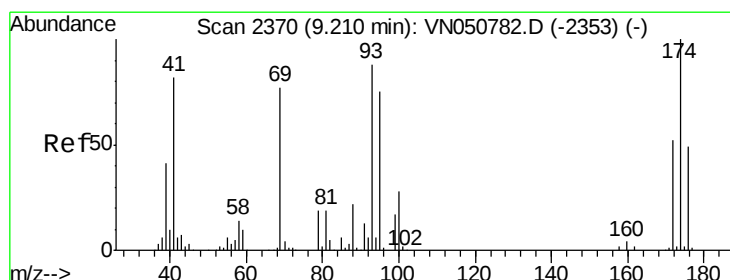
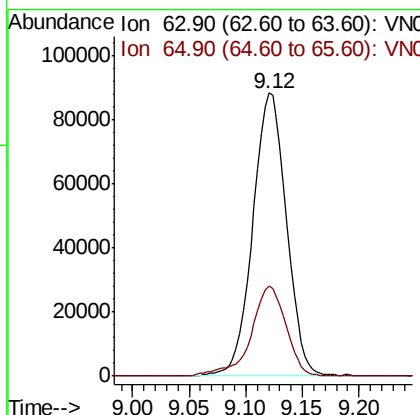
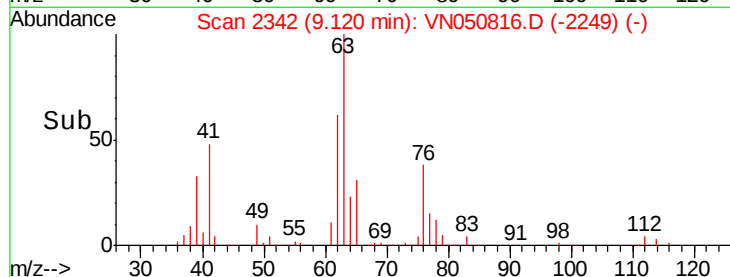
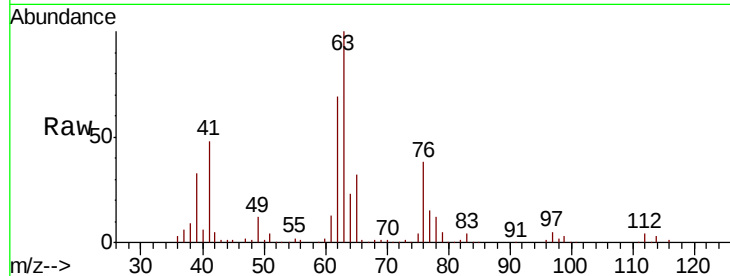
#45
 1,2-Dichloropropane
 Concen: 19.99 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.0	37.6

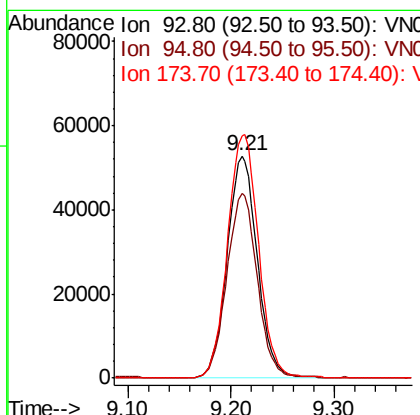
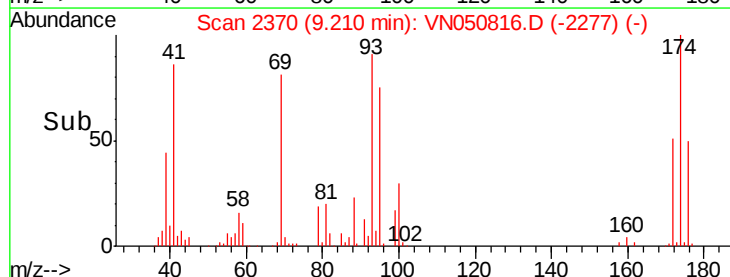
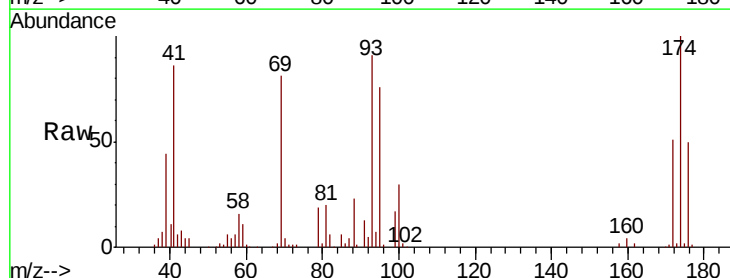
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#46
 Dibromomethane
 Concen: 20.06 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.7	100.1
174	112.6	89.8	134.6





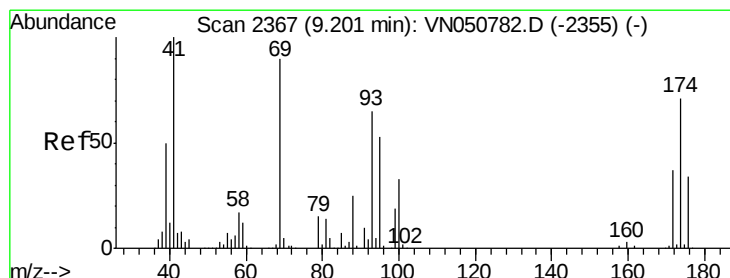
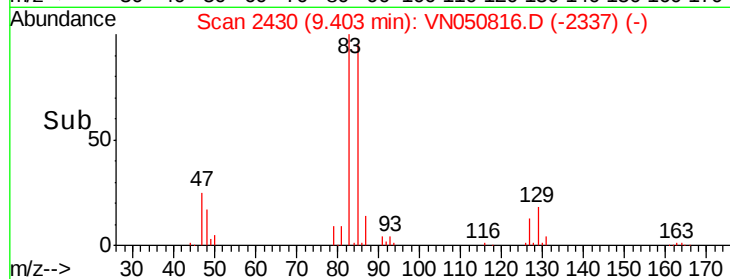
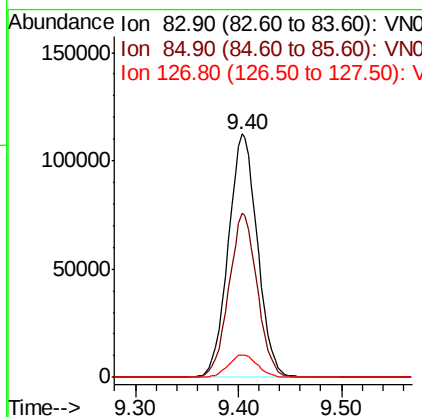
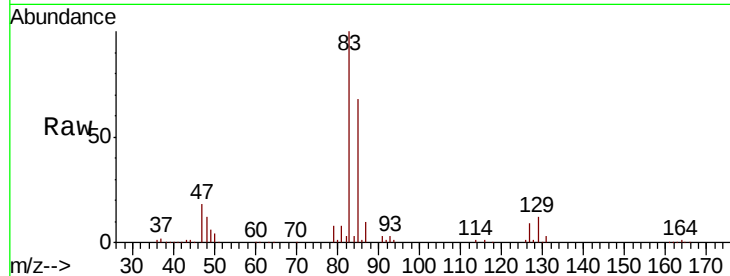
#47
 Bromodichloromethane
 Concen: 19.61 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	83	Resp	220762
Ion Ratio	100		
Lower	52.6		
Upper	78.8		
85	67.5		
127	9.3		

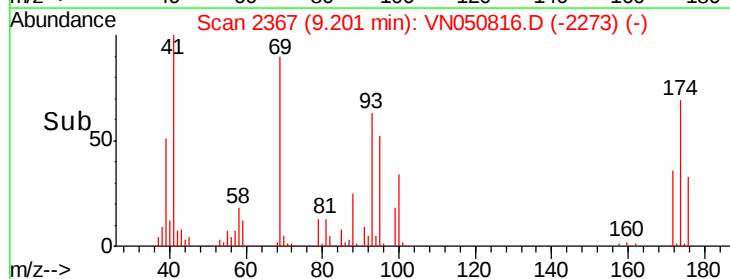
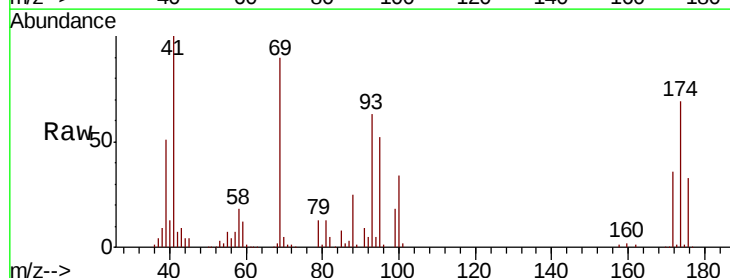
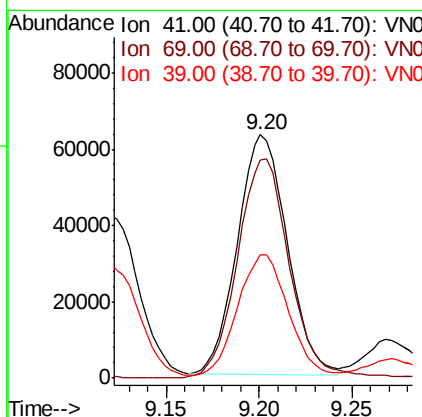
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 20.20 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	41	Resp	117336
Ion Ratio	100		
Lower	74.7		
Upper	112.1		
69	96.7		
39	52.4		





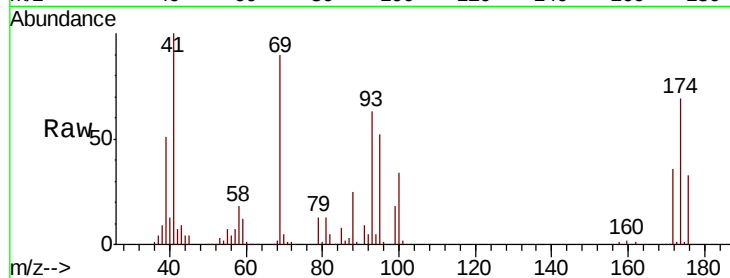
#49
1,4-Dioxane
Concen: 432.45 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

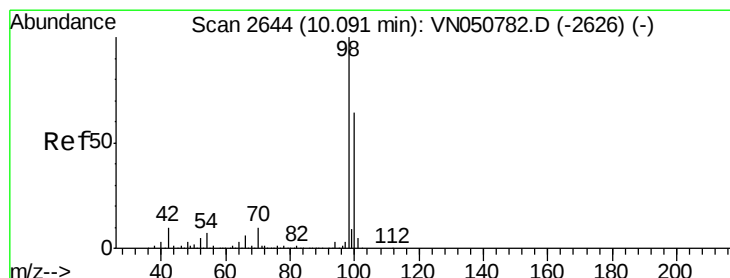
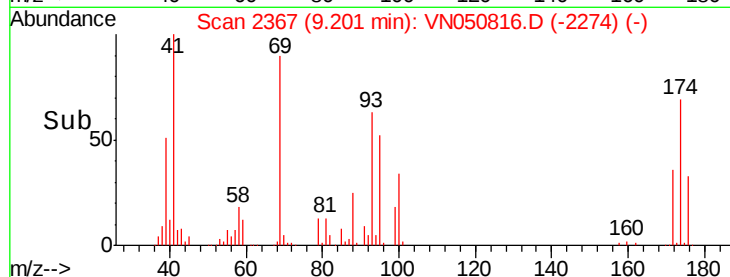
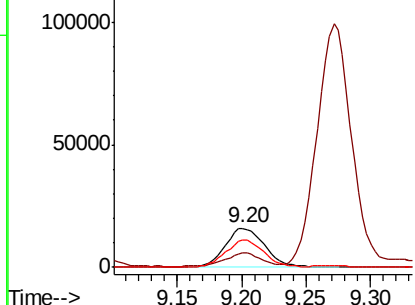
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.9	38.9
58	67.3	55.0	82.4

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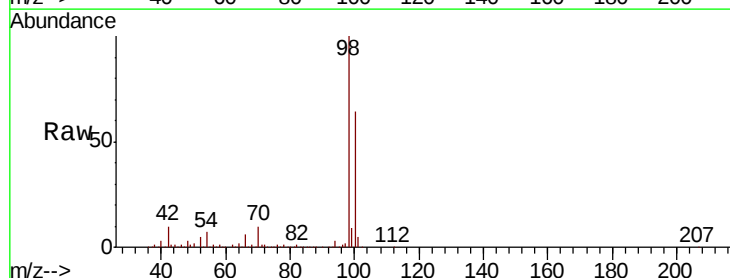


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

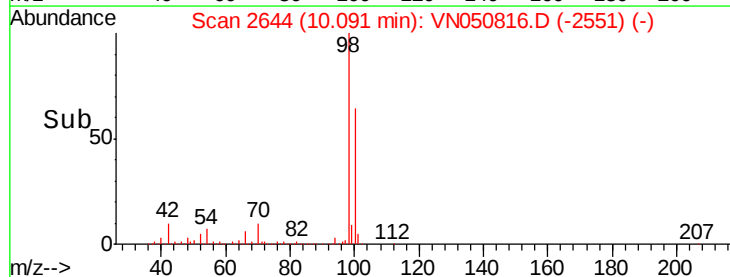
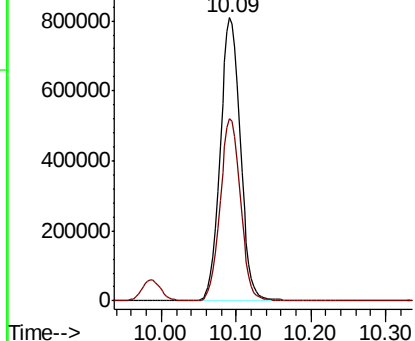


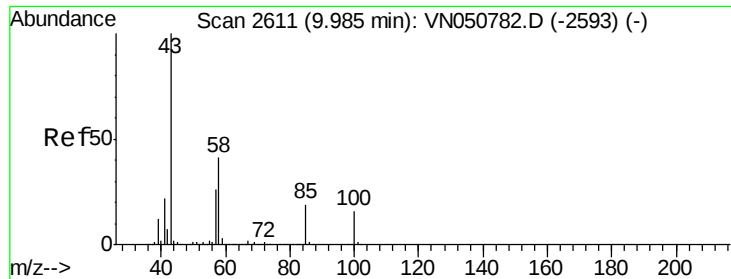
#50
Toluene-d8
Concen: 51.82 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	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: 100.64 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

Tot Ion: 43 Resp: 684617

Ion Ratio Lower Upper

43 100

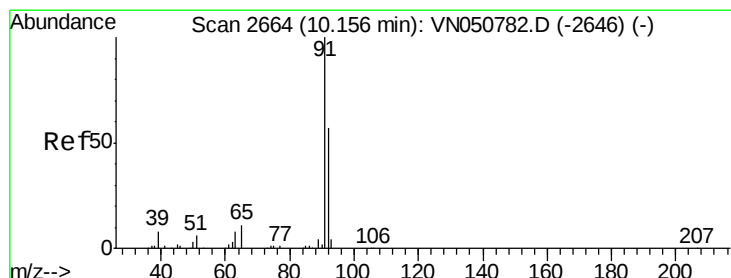
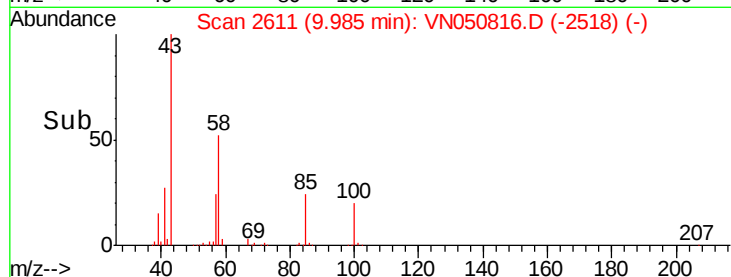
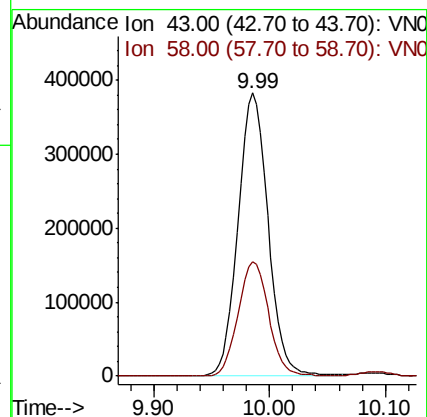
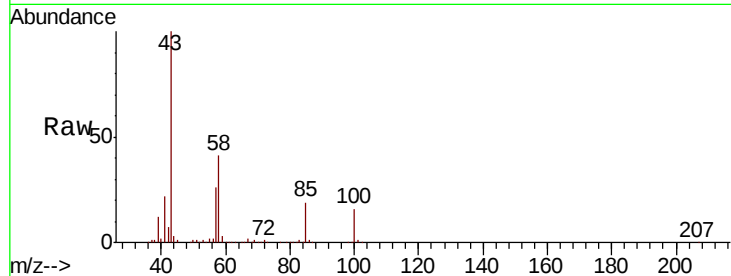
58 41.2 32.4 48.6

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#52

Toluene

Concen: 20.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050816.D

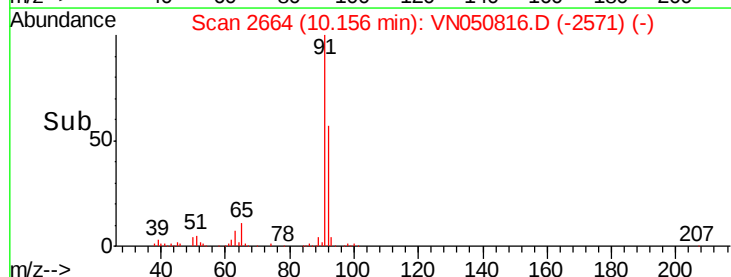
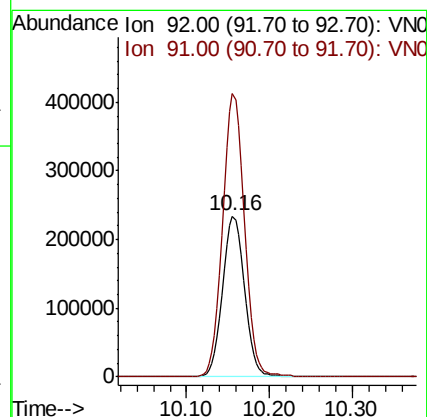
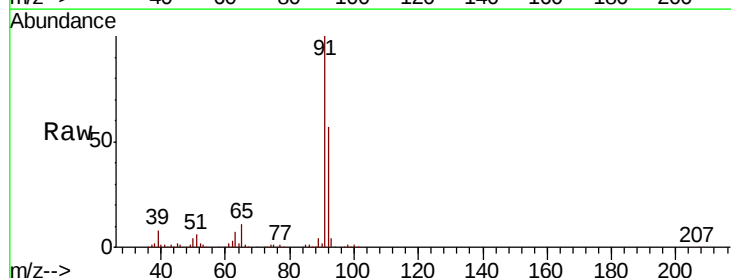
Acq: 22 Aug 2018 13:48

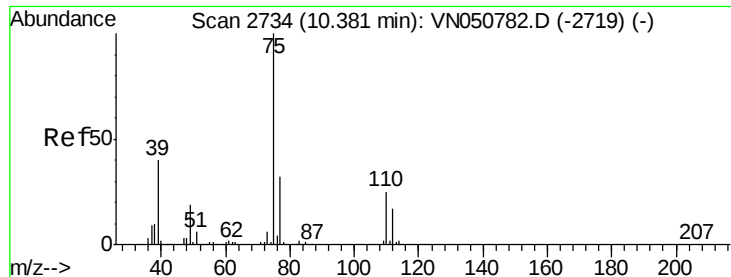
Tgt Ion: 92 Resp: 429675

Ion Ratio Lower Upper

92 100

91 174.7 140.6 211.0





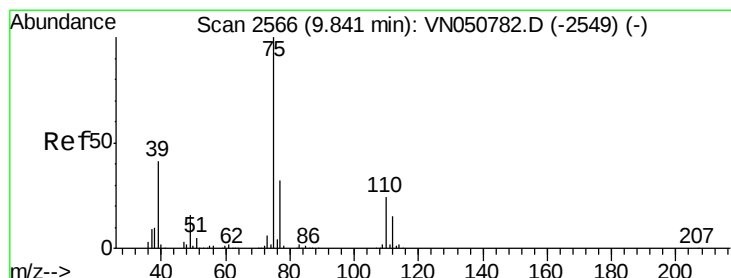
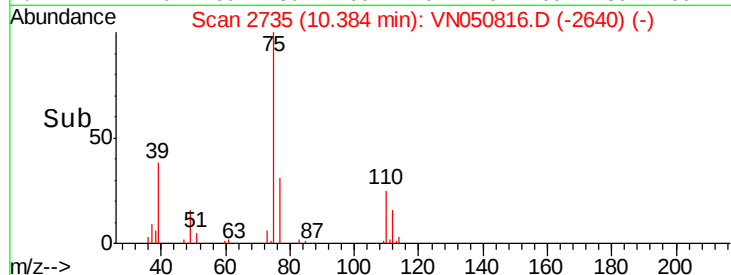
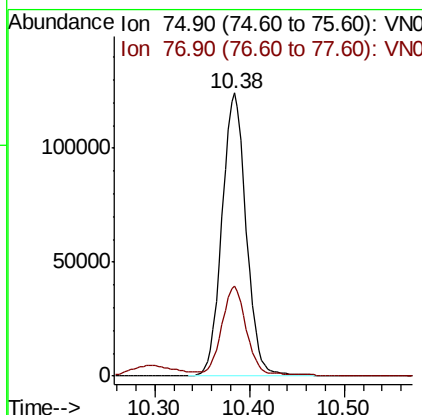
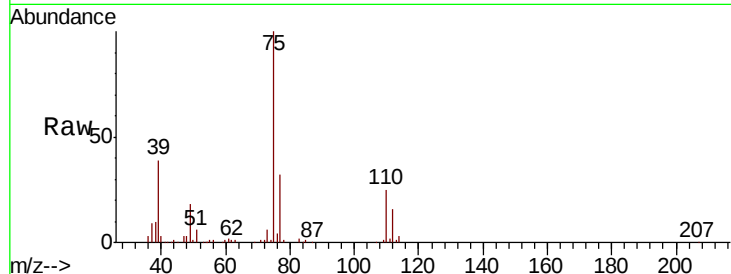
#53
t-1,3-Dichloropropene
Concen: 19.78 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5

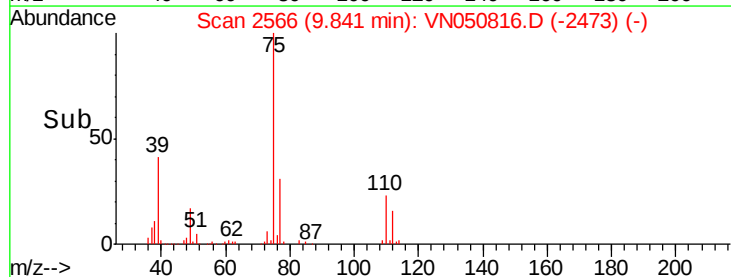
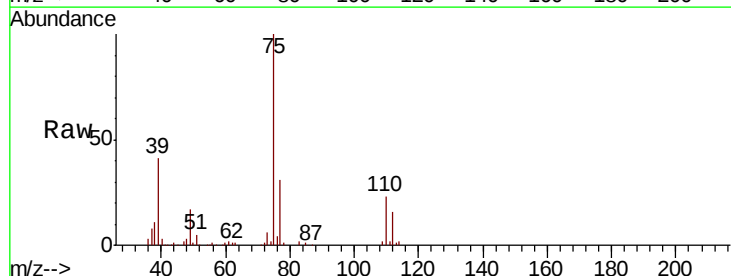
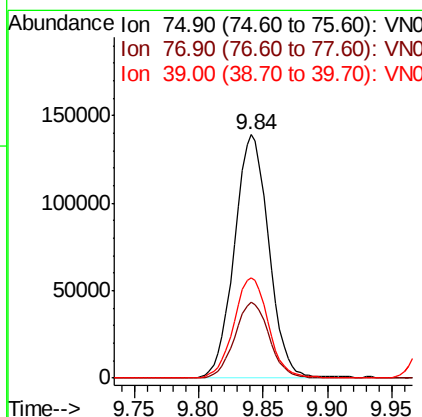
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#54
cis-1,3-Dichloropropene
Concen: 20.14 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2
39	41.3	33.0	49.4





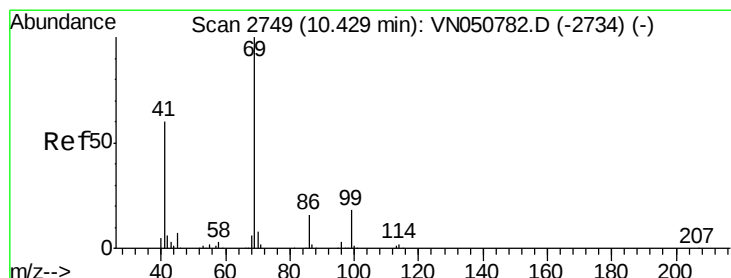
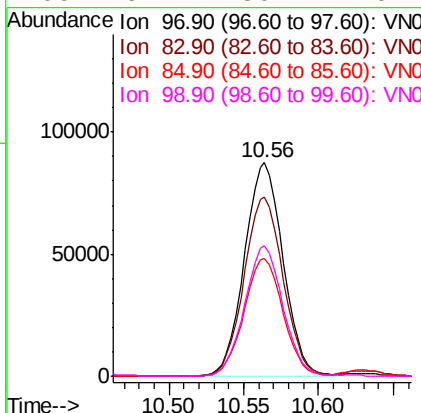
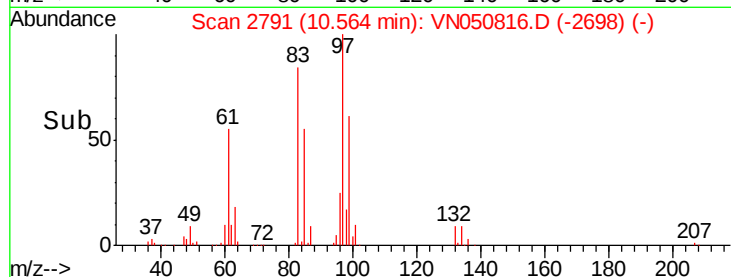
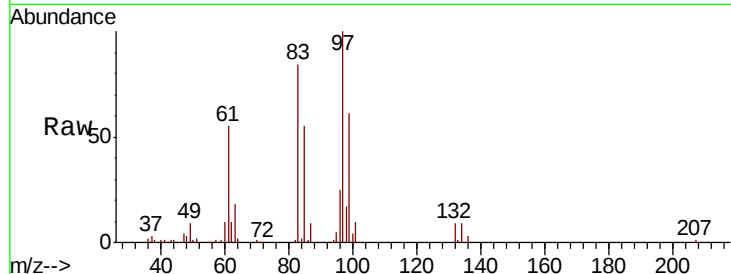
#55
 1,1,2-Trichloroethane
 Concen: 20.50 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		156852		
83	84.0	69.7	104.5		
85	55.4	44.5	66.7		
99	61.2	50.7	76.1		

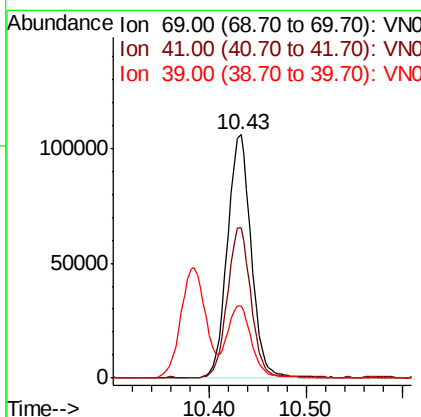
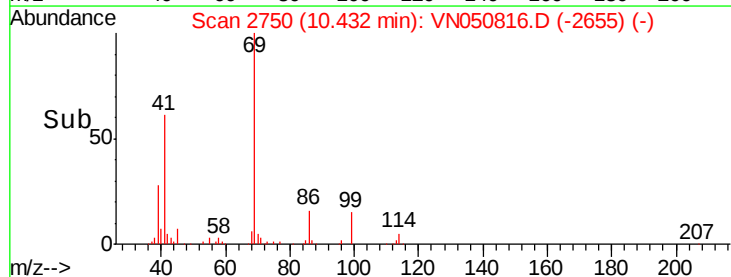
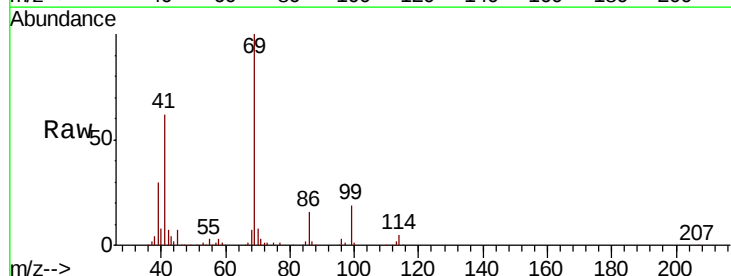
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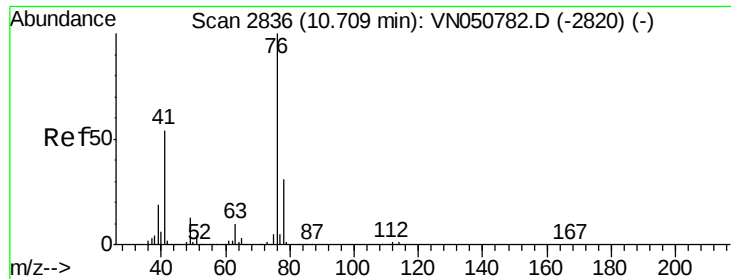
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#56
 Ethyl methacrylate
 Concen: 19.78 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182052		
41	60.8	48.3	72.5		
39	29.7	24.0	36.0		





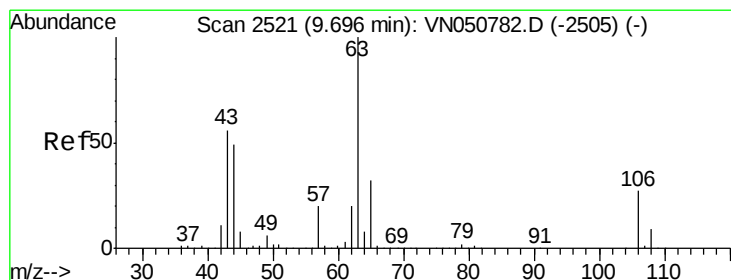
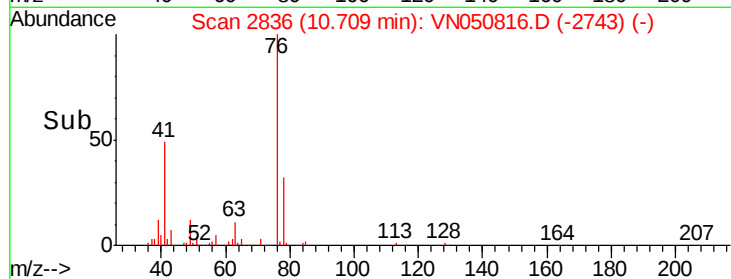
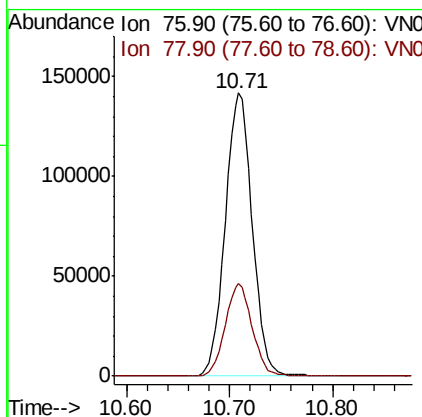
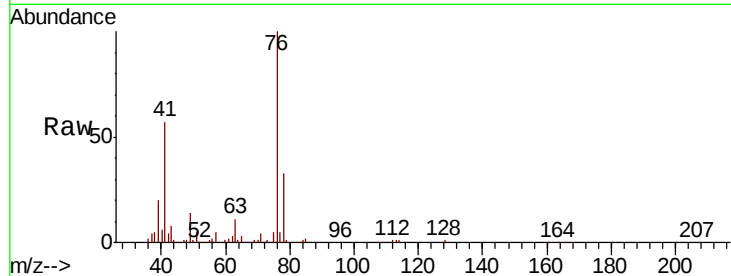
#57
 1,3-Dichloropropane
 Concen: 20.46 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

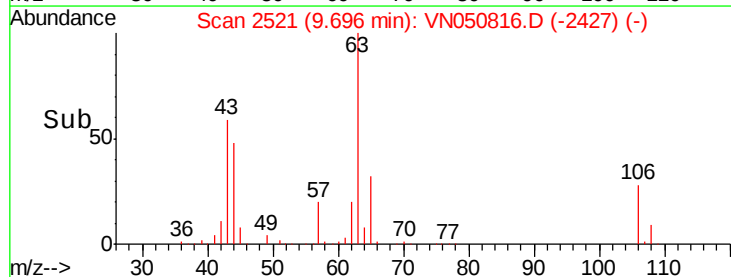
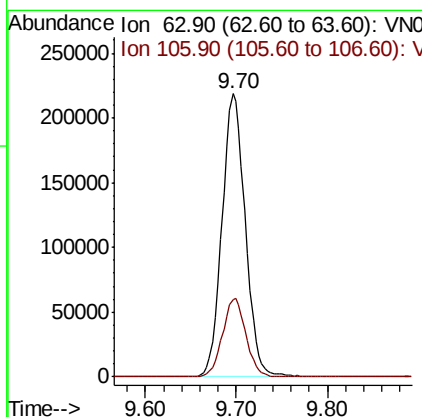
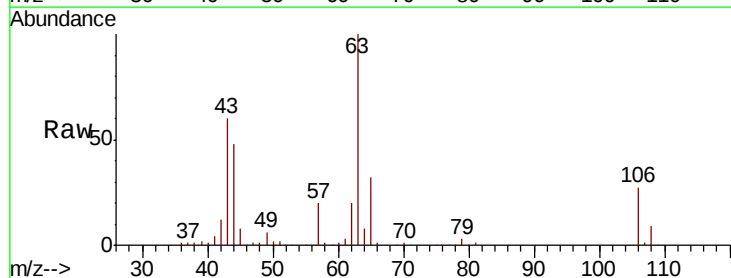
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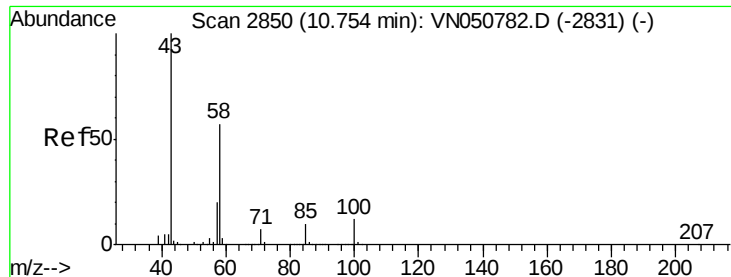
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.55 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59

2-Hexanone

Concen: 102.84 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

Tot Ion: 43 Resp: 465756

Ion Ratio Lower Upper

43 100

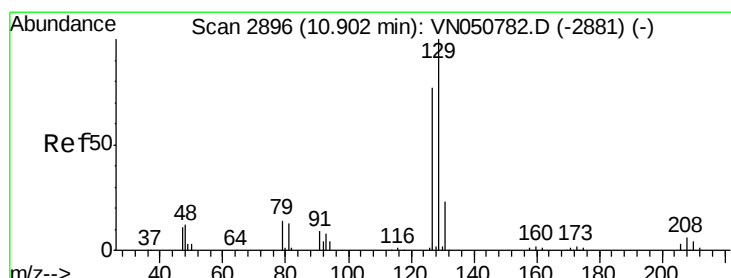
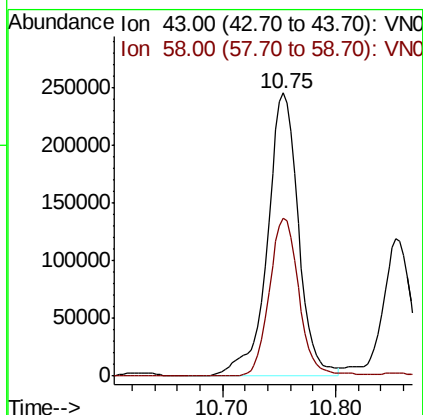
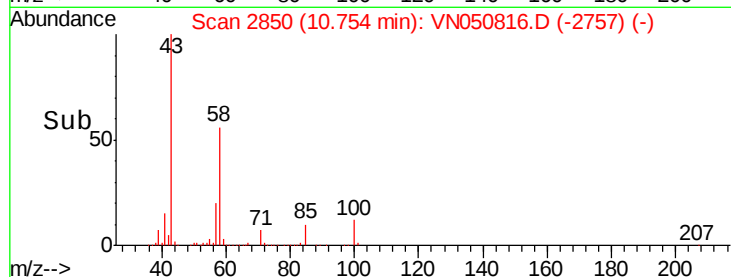
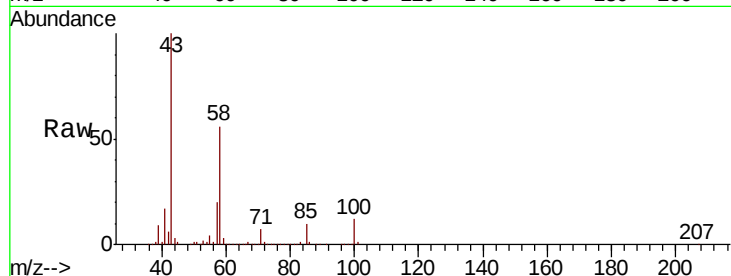
58 53.7 28.3 85.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.64 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050816.D

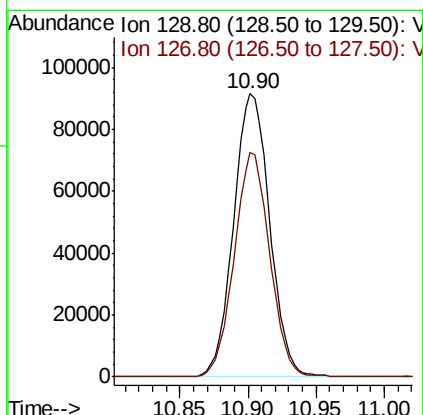
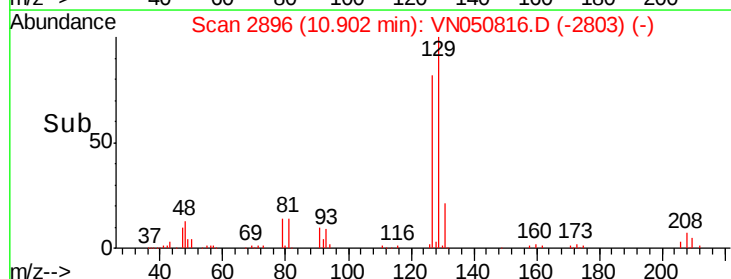
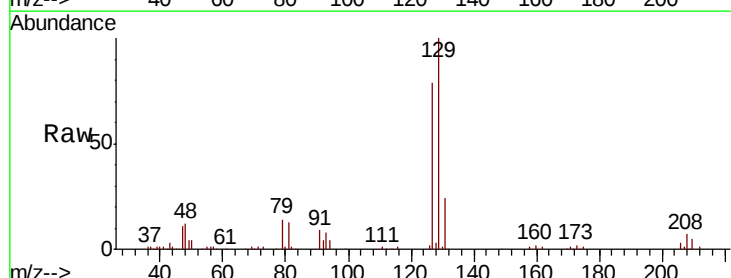
Acq: 22 Aug 2018 13:48

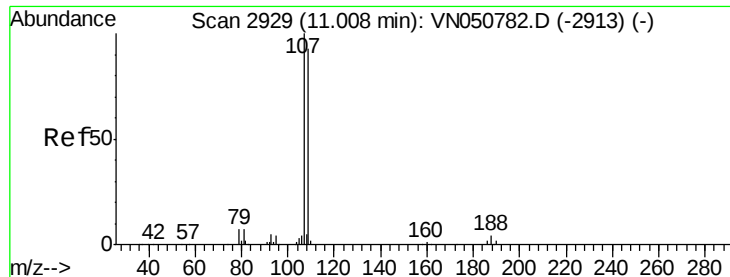
Tgt Ion: 129 Resp: 168283

Ion Ratio Lower Upper

129 100

127 77.8 38.3 114.9





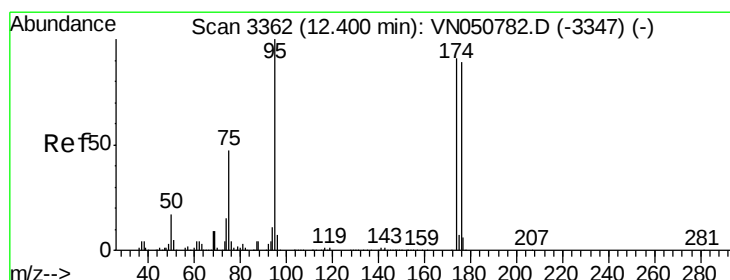
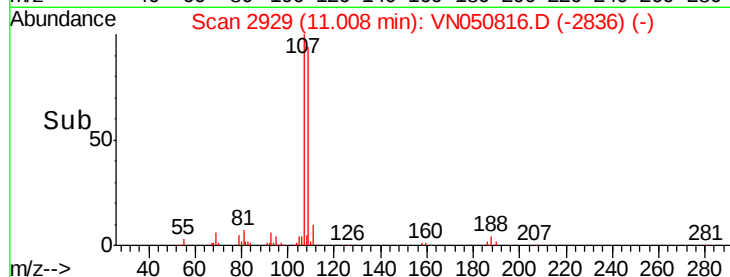
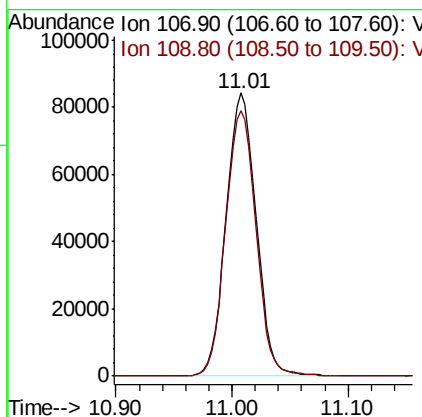
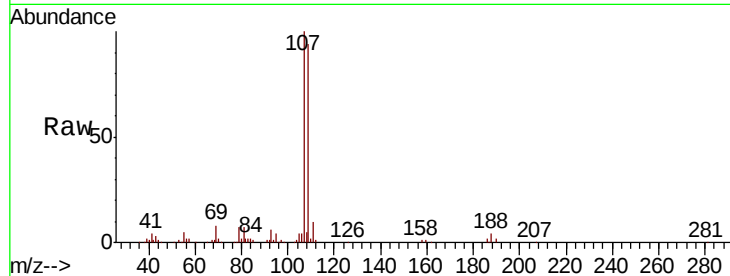
#61
 1,2-Dibromoethane
 Concen: 20.43 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	151218		
109	94.8	75.4	113.2	

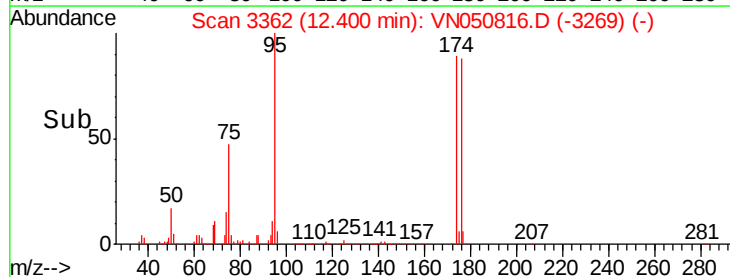
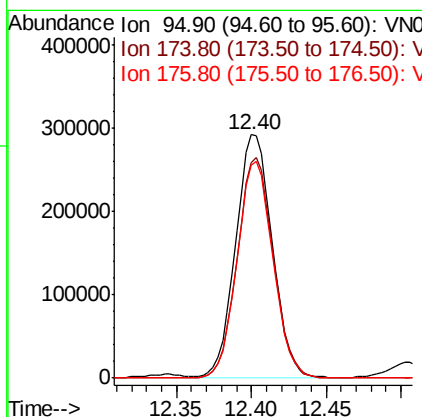
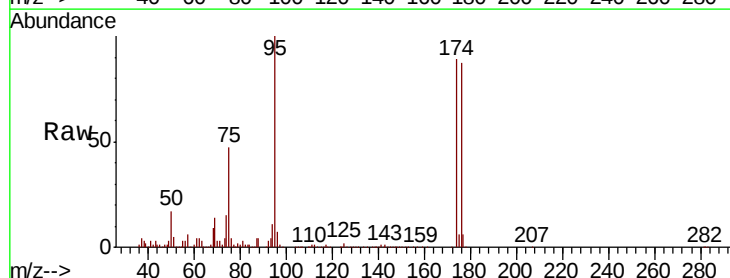
Manual Integrations
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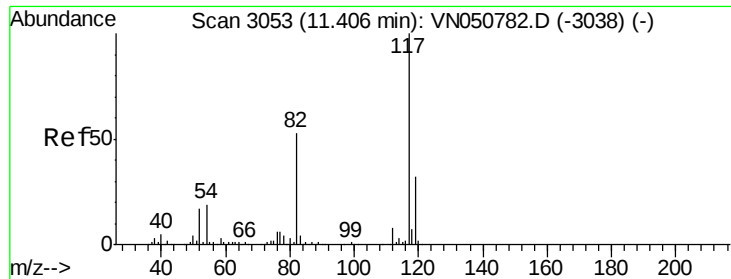
MMDadoda
 8/23/2018 12:26:54 PM



#62
 4-Bromofluorobenzene
 Concen: 51.05 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	493577		
174	89.9	0.0	183.0	
176	87.8	0.0	178.8	





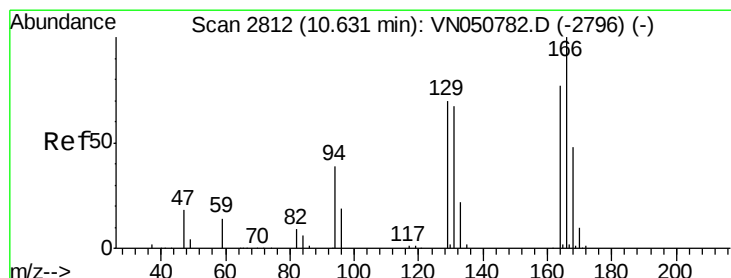
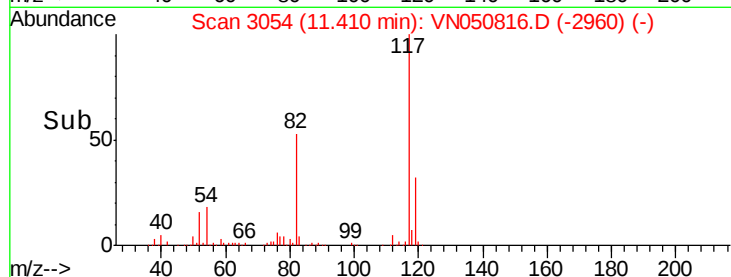
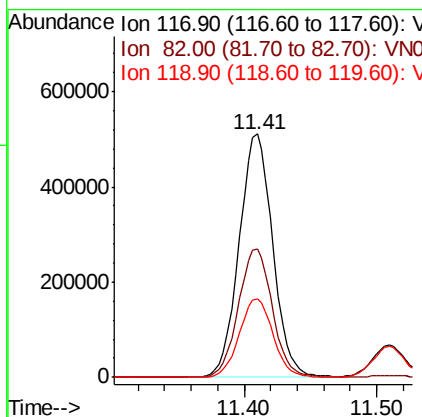
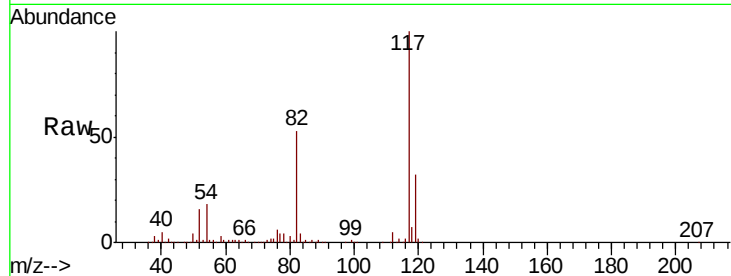
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	900378		
82	52.6		42.6	64.0
119	32.4		25.8	38.6

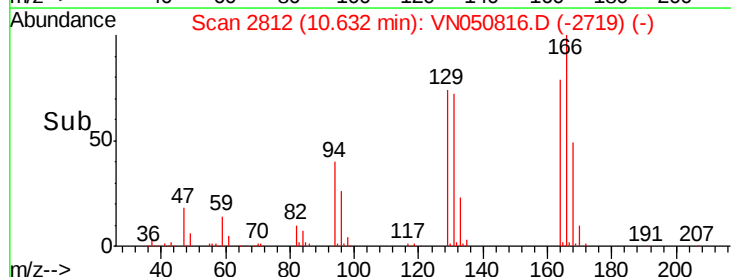
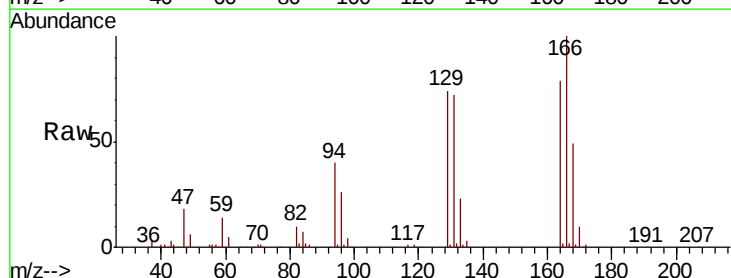
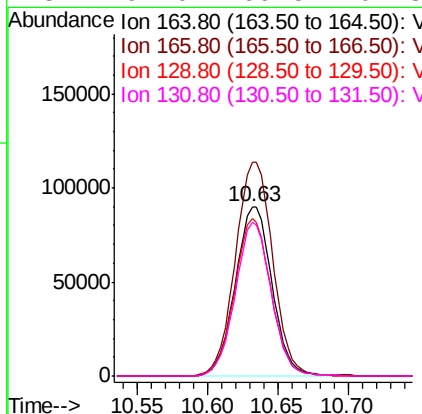
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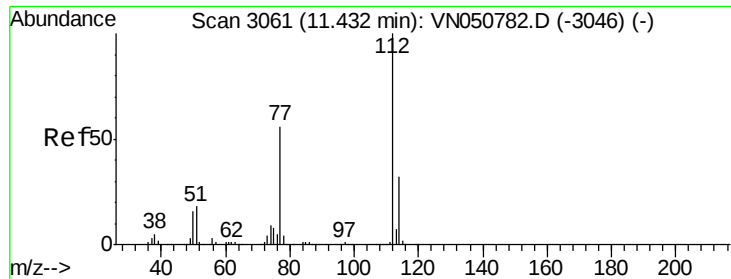
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#64
Tetrachloroethene
Concen: 19.24 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164518		
166	126.1		103.5	155.3
129	93.3		72.7	109.1
131	91.0		69.5	104.3





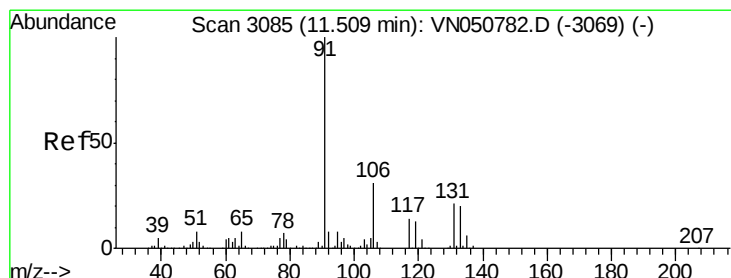
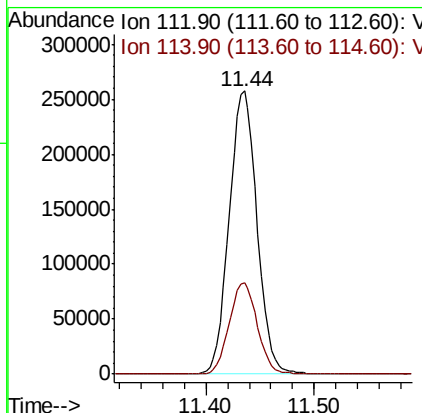
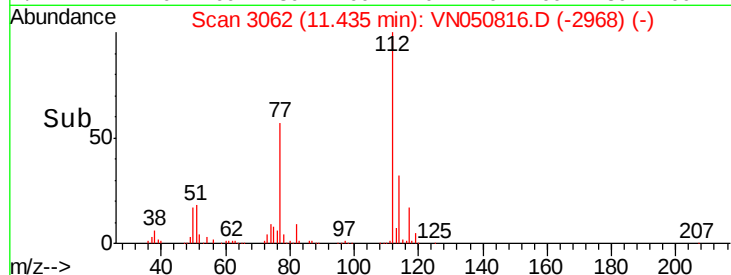
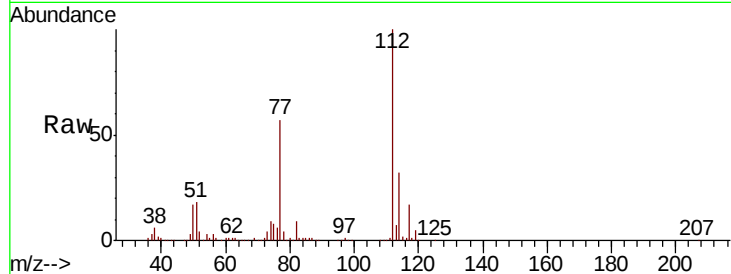
#65
Chlorobenzene
Concen: 19.70 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

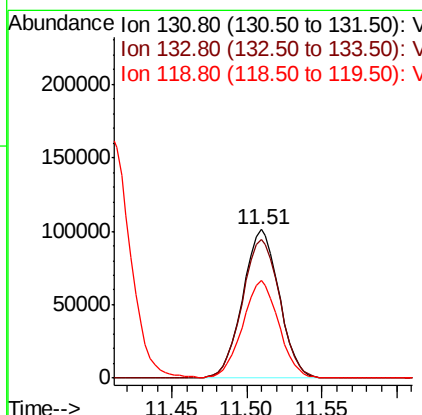
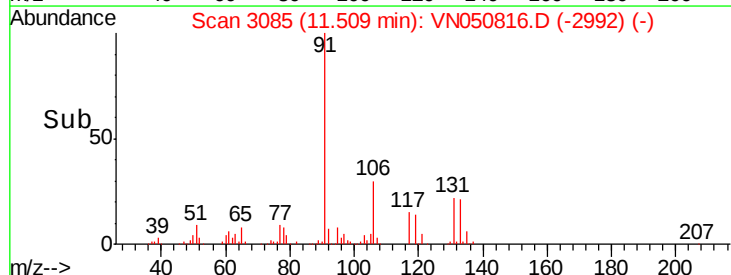
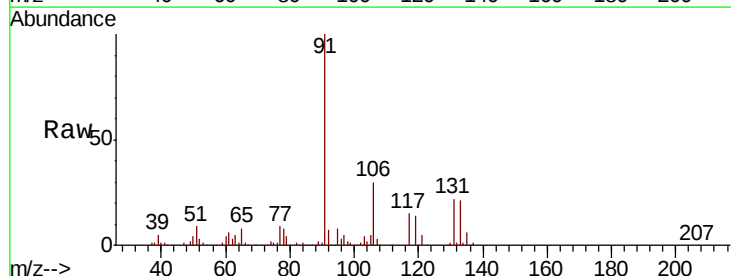
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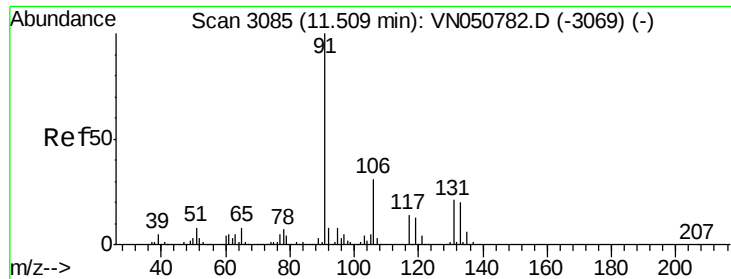
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.96 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.4	142.3
119	64.8	32.8	98.4





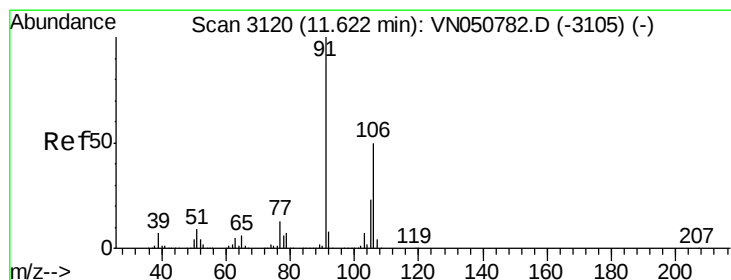
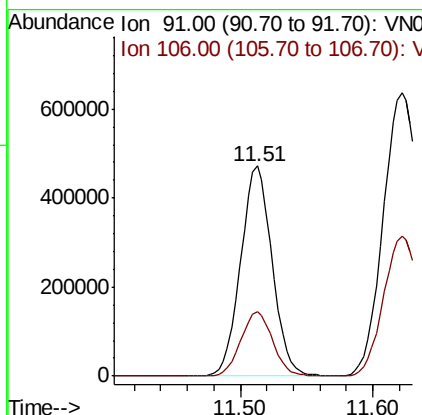
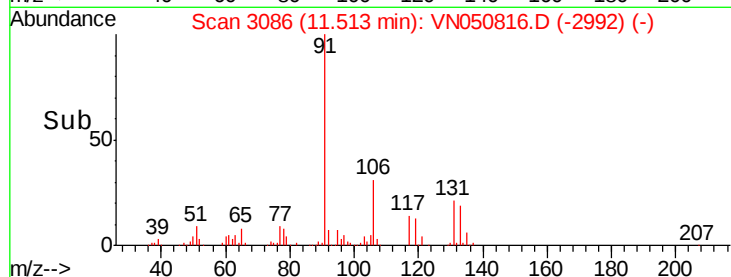
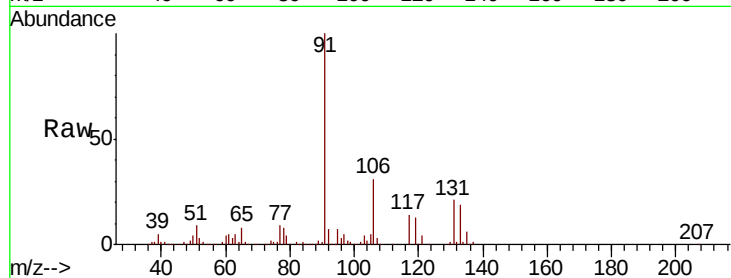
#67
Ethyl Benzene
Concen: 20.36 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

Tot Ion: 91 Resp: 778830
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

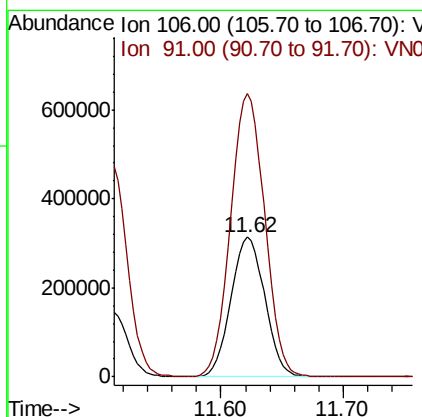
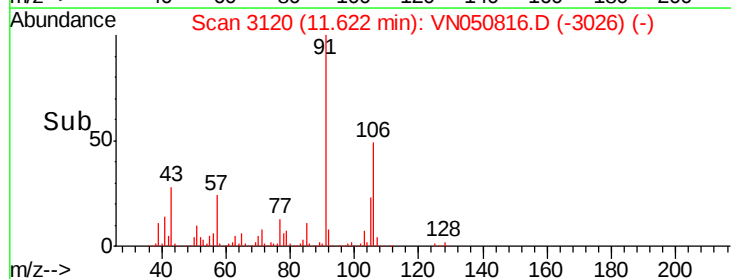
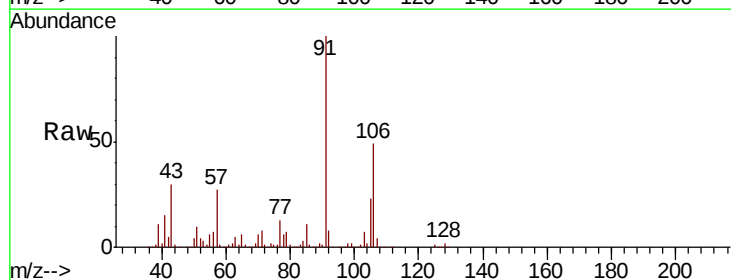
Manual Integrations
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#68
m/p-Xylenes
Concen: 41.75 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion: 106 Resp: 606306
Ion Ratio Lower Upper
106 100
91 203.6 161.0 241.6





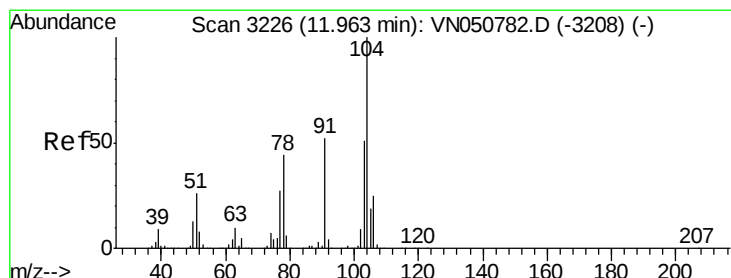
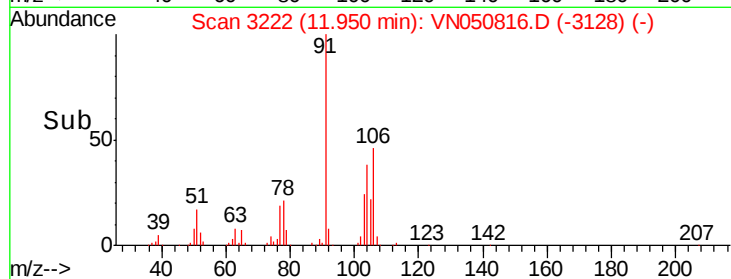
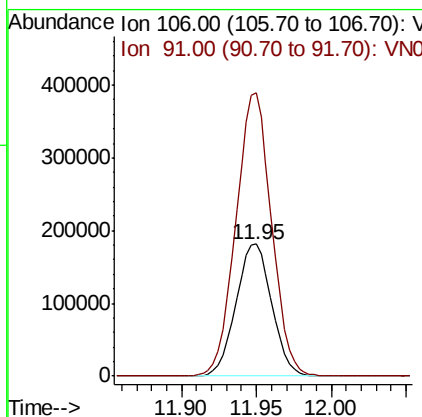
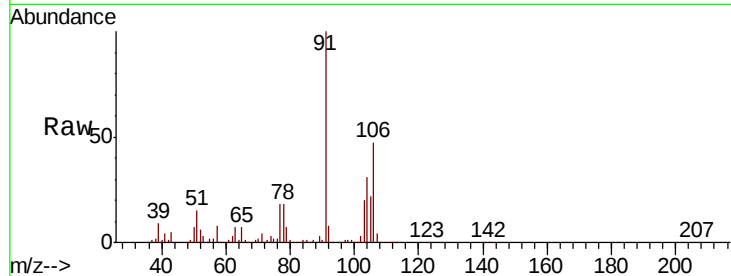
#69
o-Xylene
Concen: 21.65 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	106.5	319.5

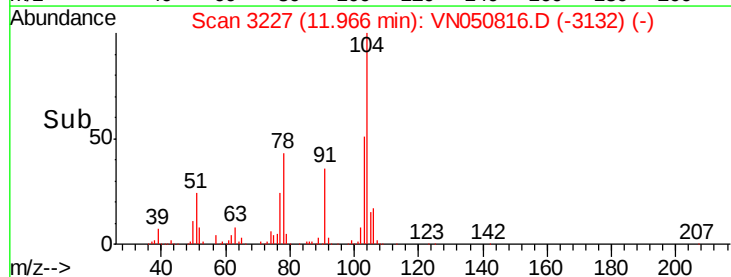
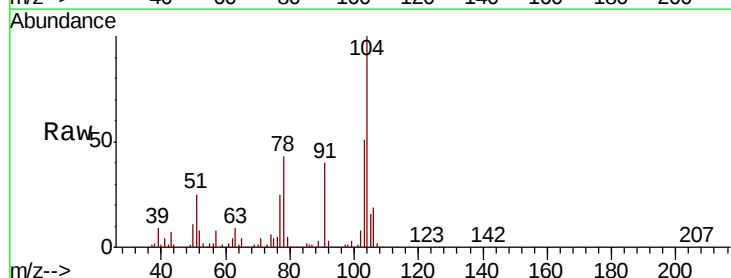
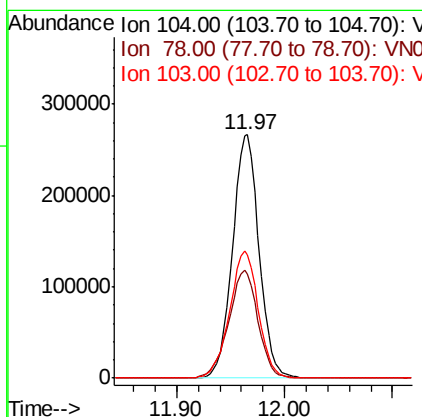
Manual Integrations
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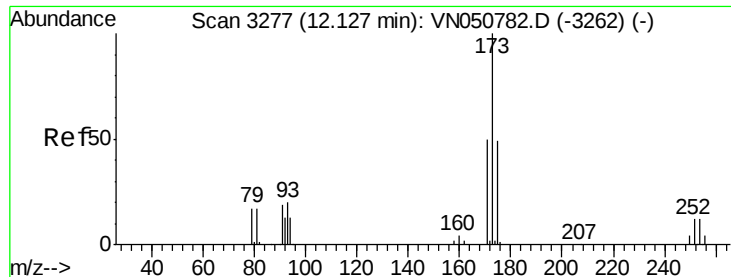
MMDadoda
8/23/2018 12:26:54 PM



#70
Styrene
Concen: 19.38 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.2	57.4
103	56.4	44.4	66.6





#71

Bromoform

Concen: 19.54 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

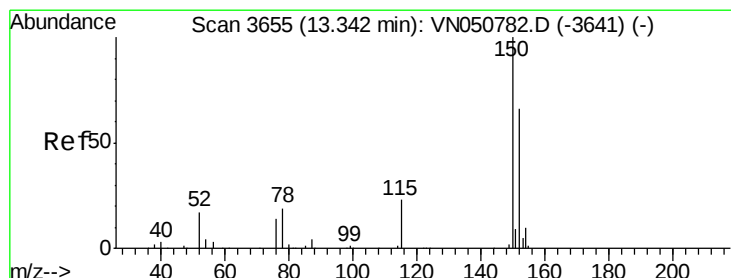
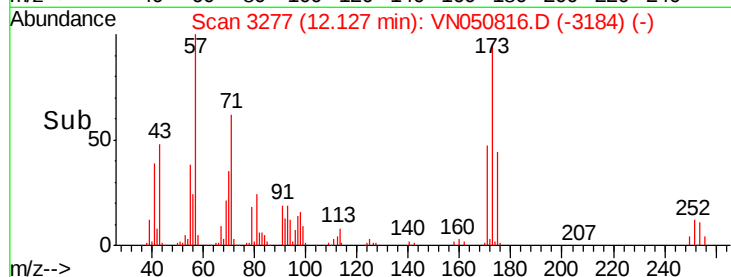
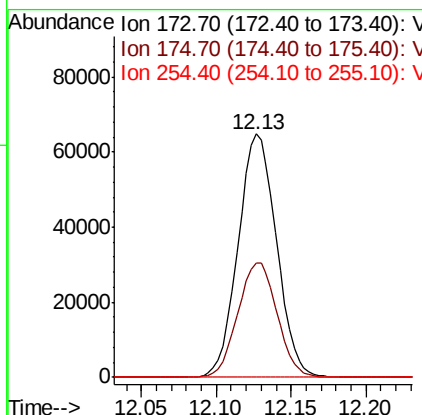
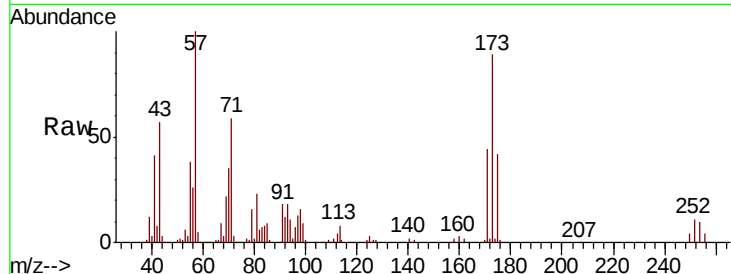
ClientSampleId :

VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

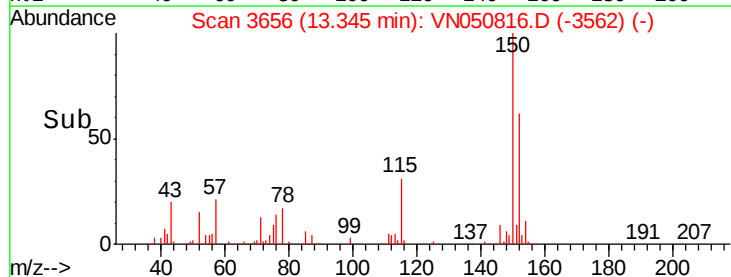
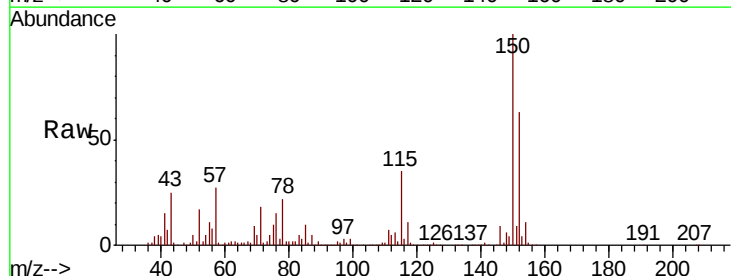
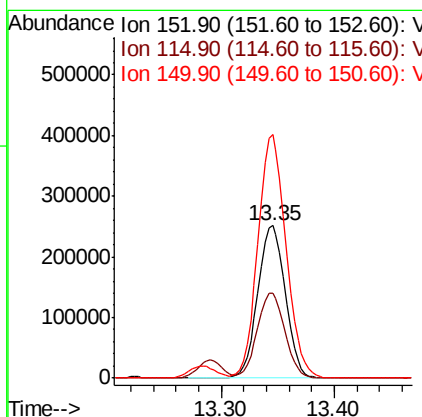
RT: 13.35 min Scan# 3656

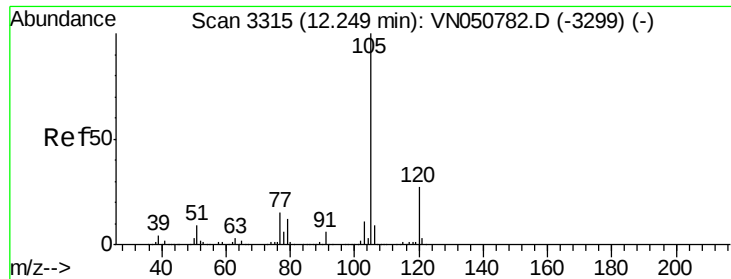
Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.4
150	163.6	0.0	351.4





#73

Isopropylbenzene

Concen: 22.21 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleID :

VN0822WBSD01

Tot Ion: 105 Resp: 779359

Ion Ratio Lower Upper

105 100

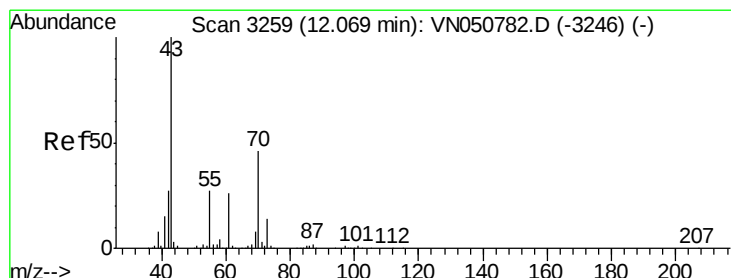
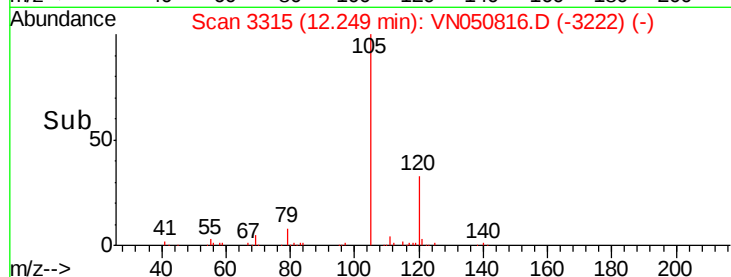
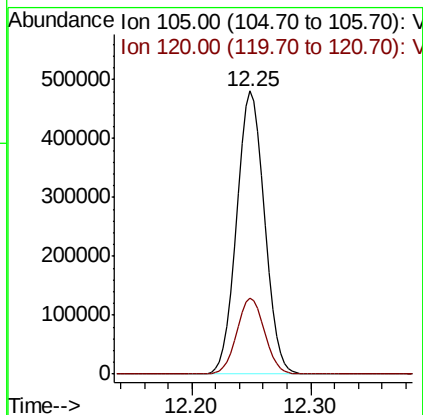
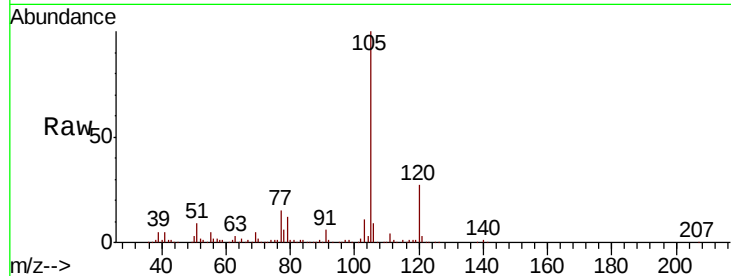
120 26.8 13.5 40.4

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#74

N-ethyl acetate

Concen: 21.04 ug/l m

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion: 43 Resp: 185516

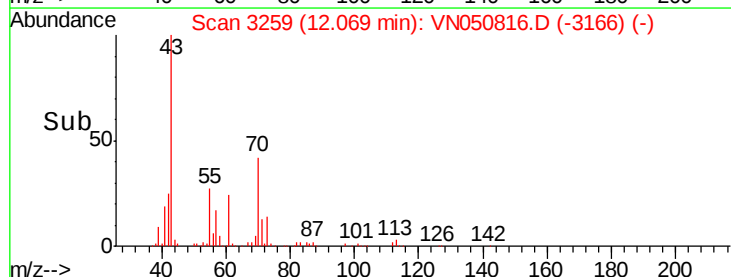
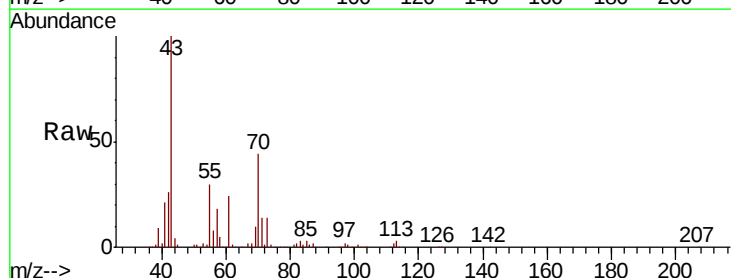
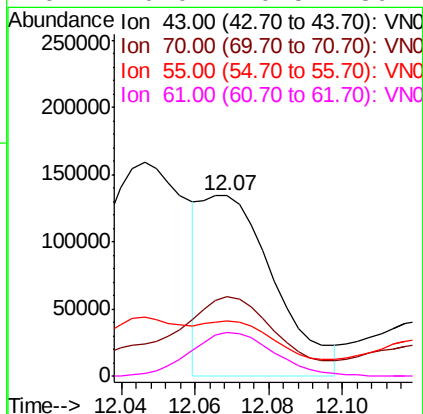
Ion Ratio Lower Upper

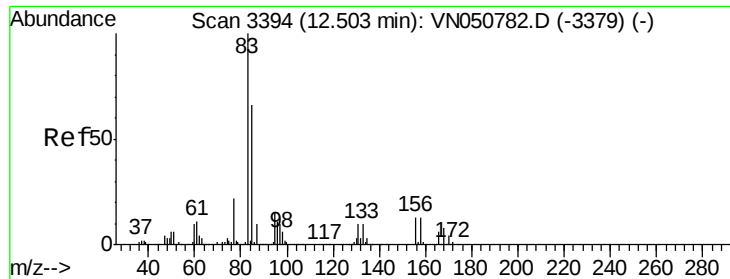
43 100

70 0.0 36.2 54.2#

55 26.6 21.8 32.8

61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.70 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

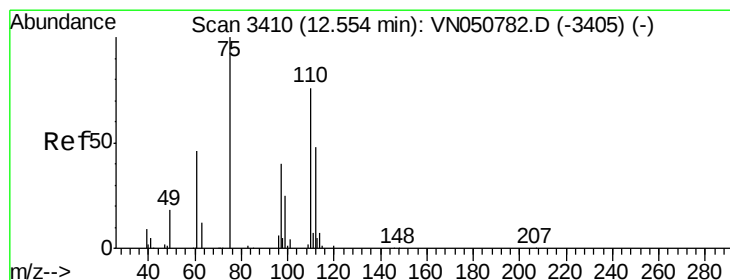
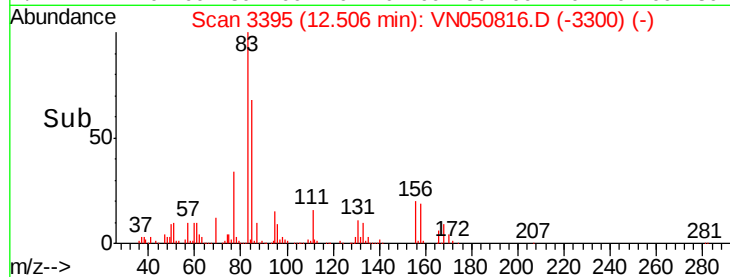
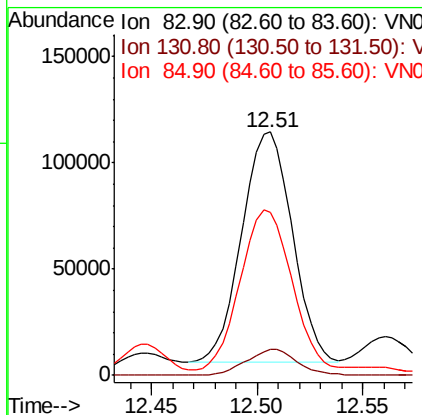
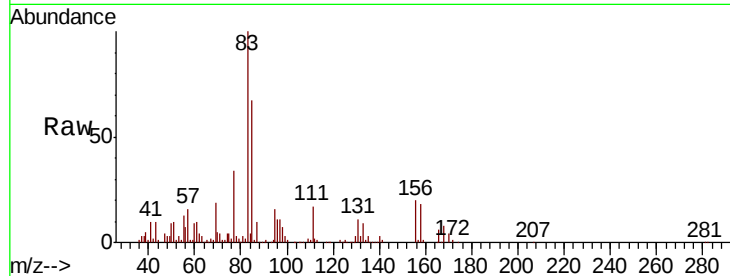
ClientSampleId :

VN0822WBSD01

Tot Ion:	83	Resp:	181228
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	15.9
85	70.3	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 20.67 ug/l m

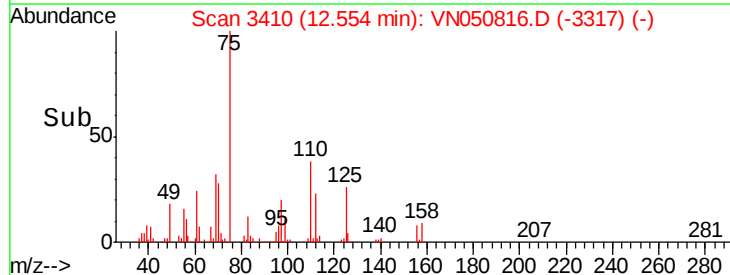
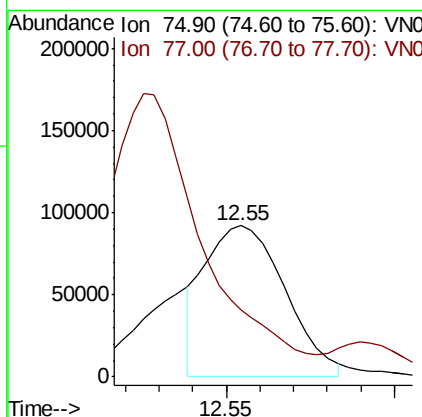
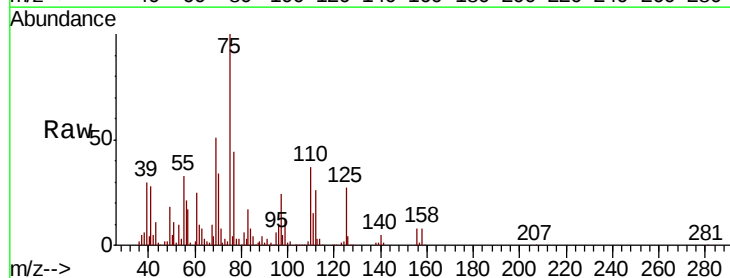
RT: 12.55 min Scan# 3410

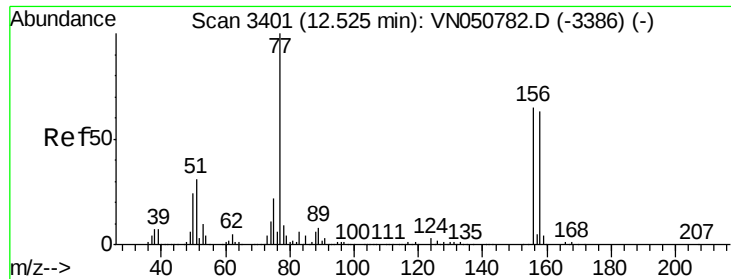
Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion:	75	Resp:	153467
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.71 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

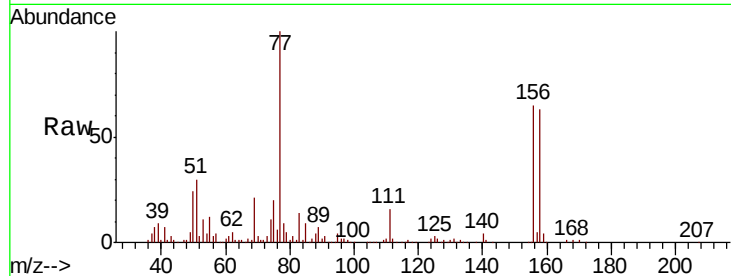
ClientSampled :

VN0822WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		197564		
77	179.1	89.9	269.7		
158	95.7	49.3	147.9		

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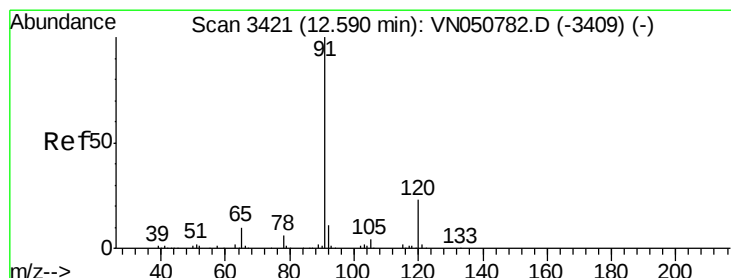
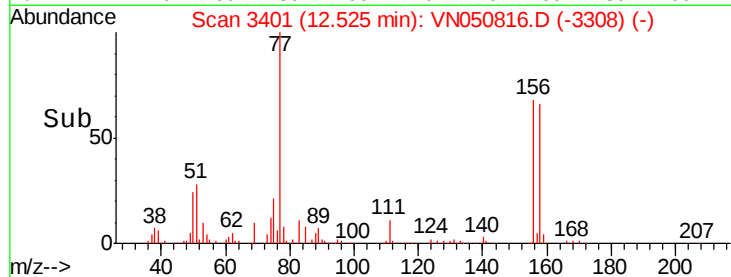
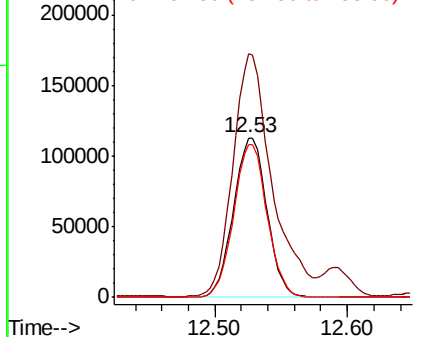
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.72 ug/l

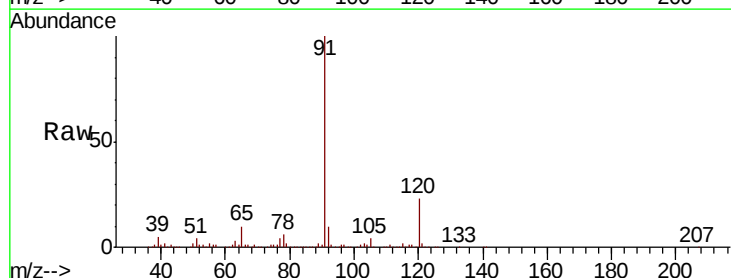
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050816.D

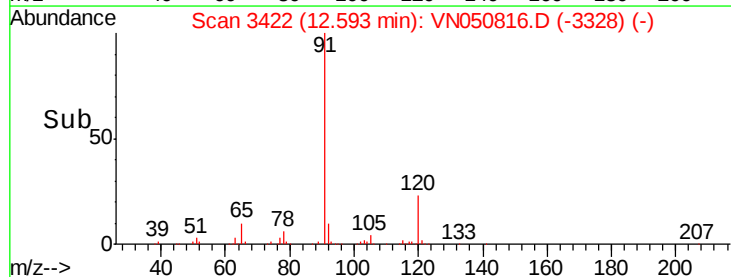
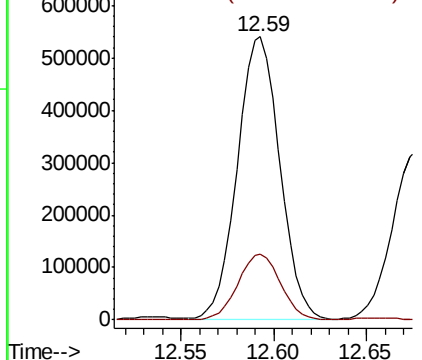
Acq: 22 Aug 2018 13:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		851633		
120	23.4	11.7	35.0		



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 91 Resp: 520272

Ion Ratio Lower Upper

91 100

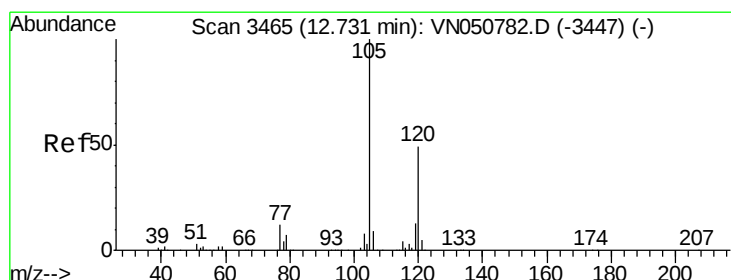
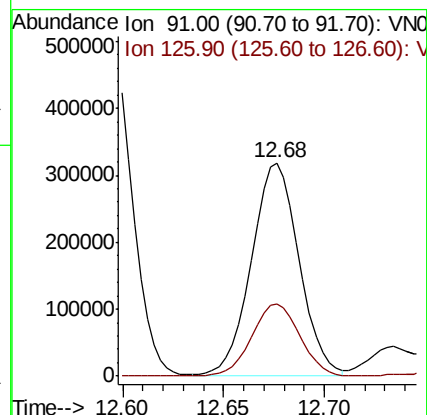
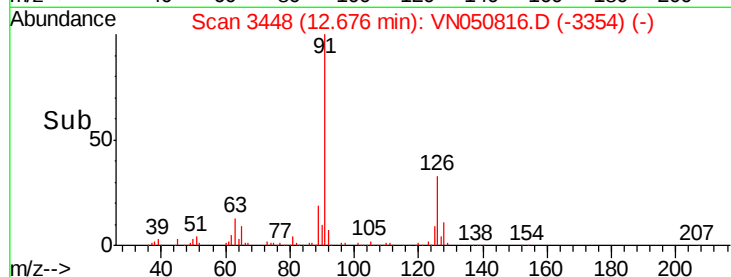
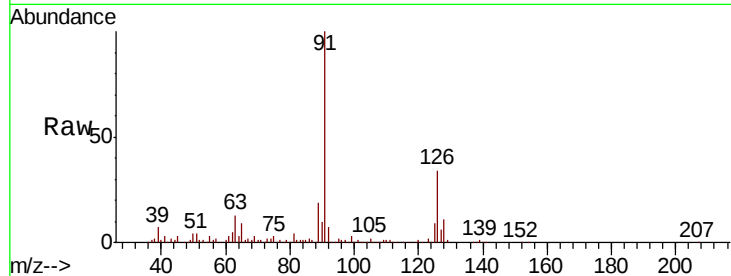
126 34.6 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.96 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050816.D

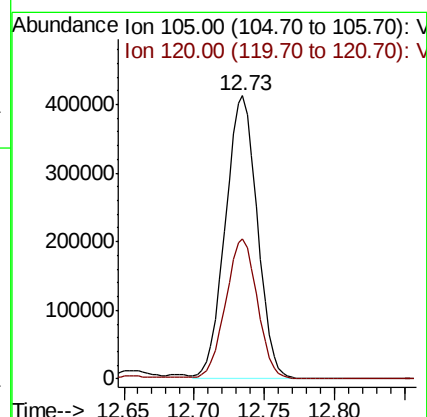
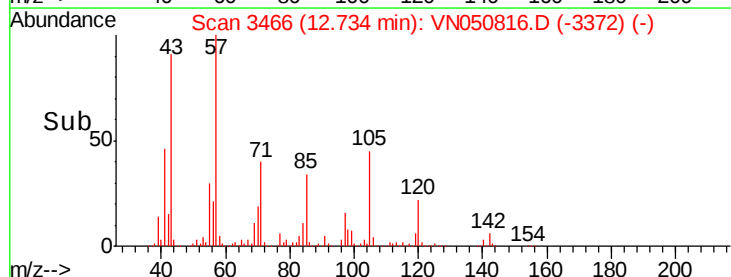
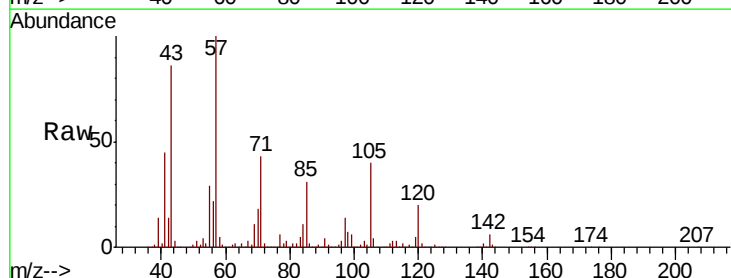
Acq: 22 Aug 2018 13:48

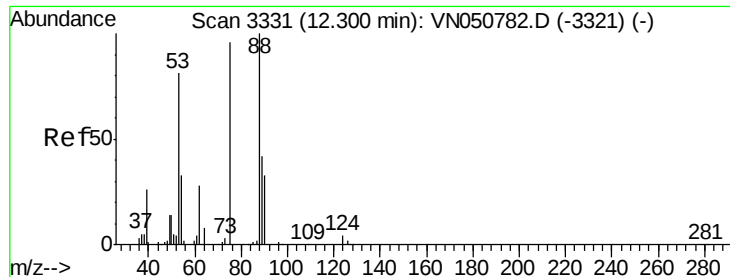
Tgt Ion: 105 Resp: 650070

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.21 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 75 Resp: 44387

Ion Ratio Lower Upper

75 100

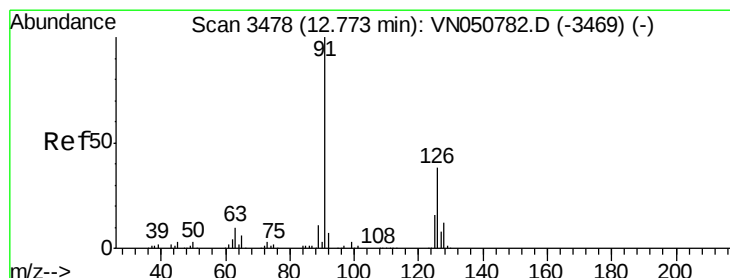
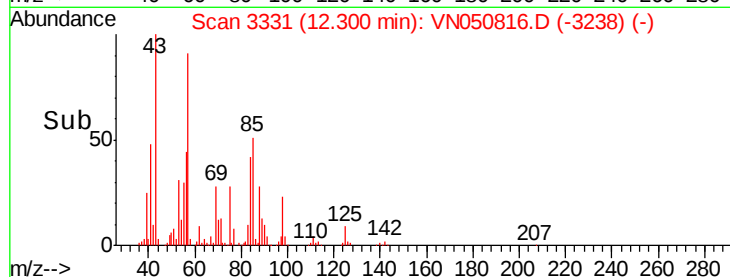
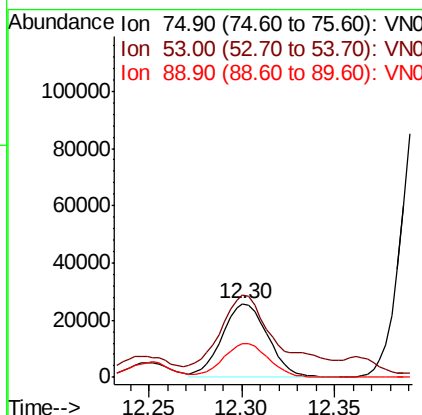
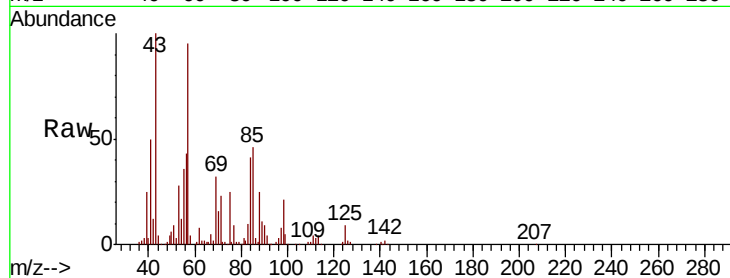
53 107.9 68.9 103.3#

89 46.3 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.97 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050816.D

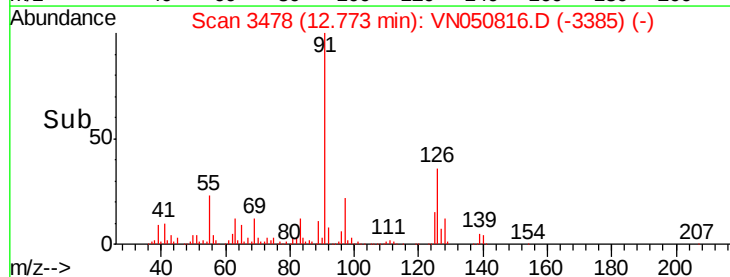
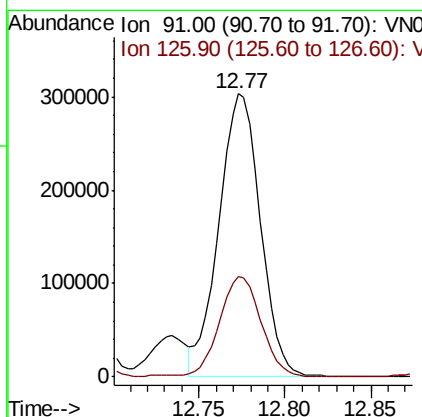
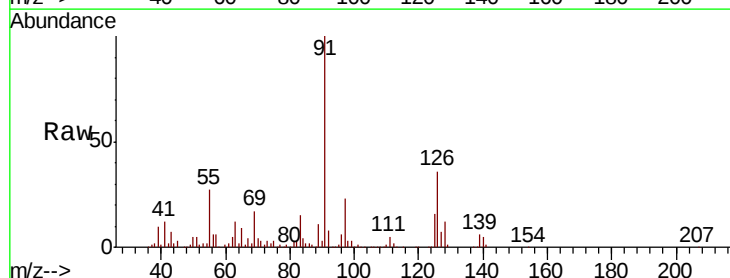
Acq: 22 Aug 2018 13:48

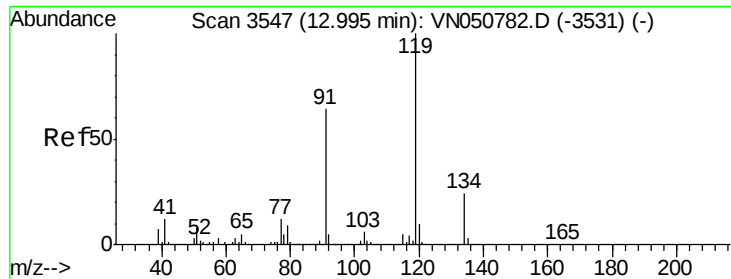
Tgt Ion: 91 Resp: 505499

Ion Ratio Lower Upper

91 100

126 35.9 17.5 52.5





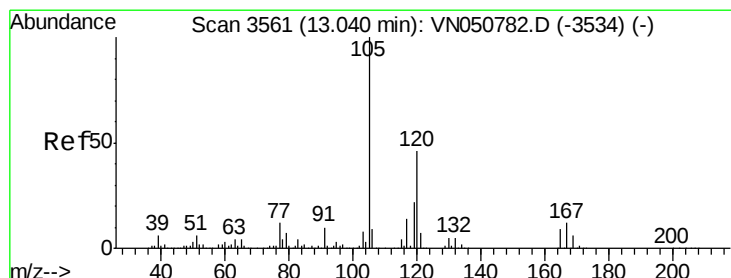
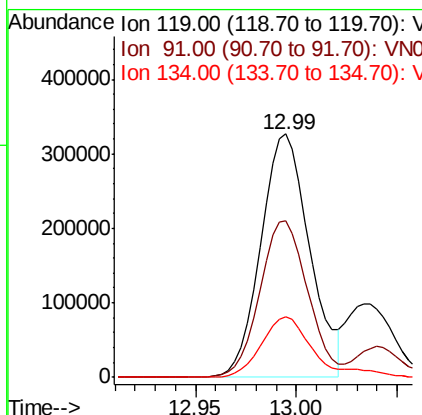
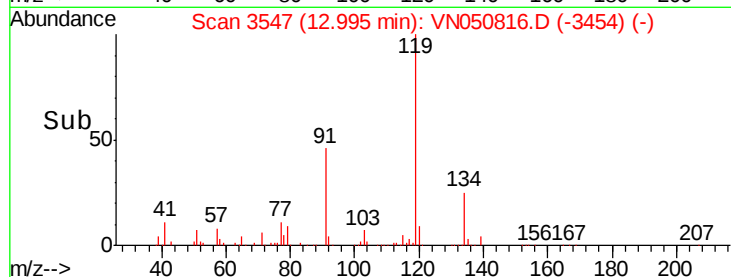
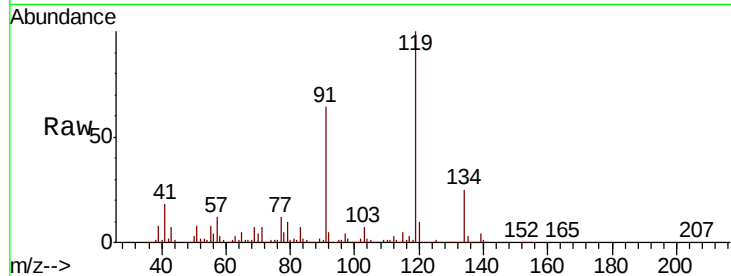
#83
tert-Butylbenzene
Concen: 22.47 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	551138		
91	62.9	31.6	94.7	
134	26.7	13.4	40.1	

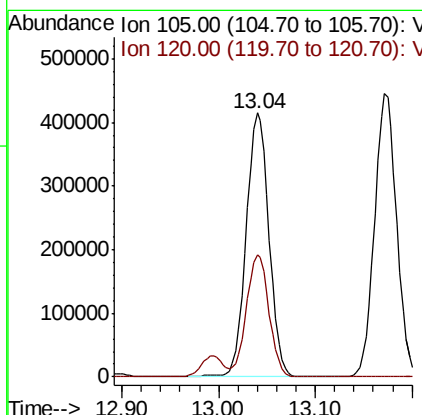
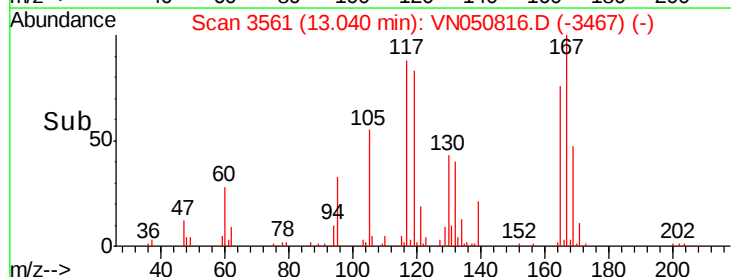
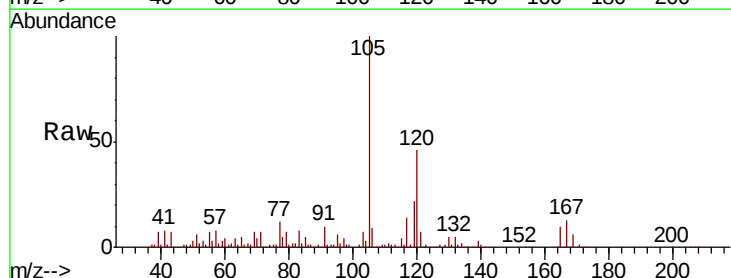
Manual Integrations
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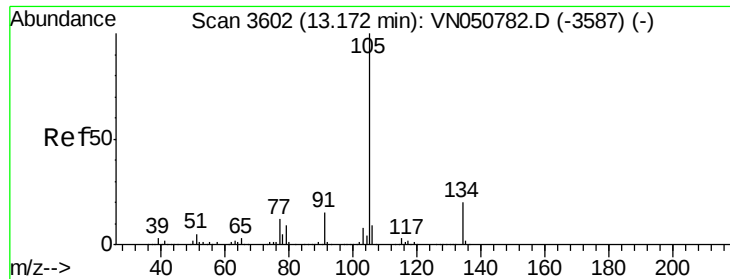
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#84
1,2,4-Trimethylbenzene
Concen: 23.62 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	672828		
120	46.1	22.9	68.8	





#85

sec-Butylbenzene

Concen: 21.80 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion:105 Resp: 700601

Ion Ratio Lower Upper

105 100

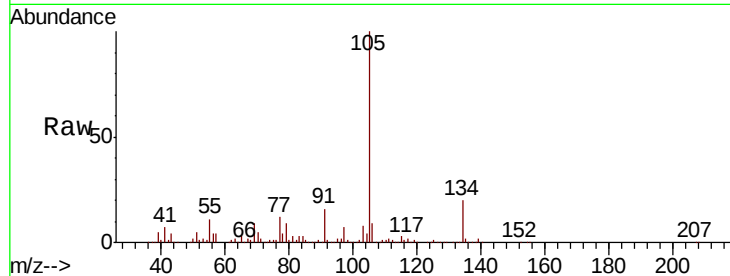
134 20.7 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

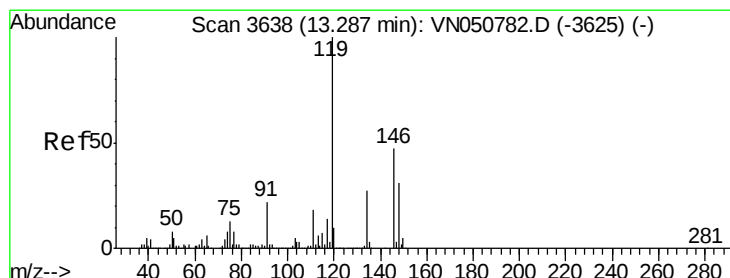
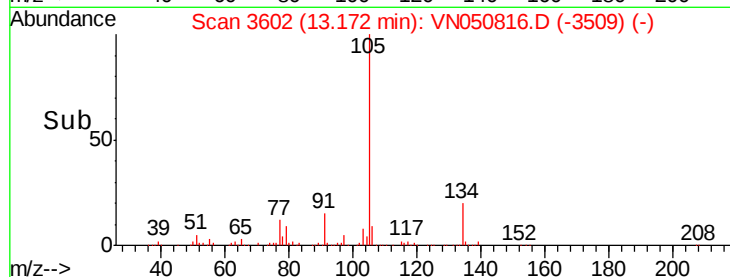
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 22.14 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

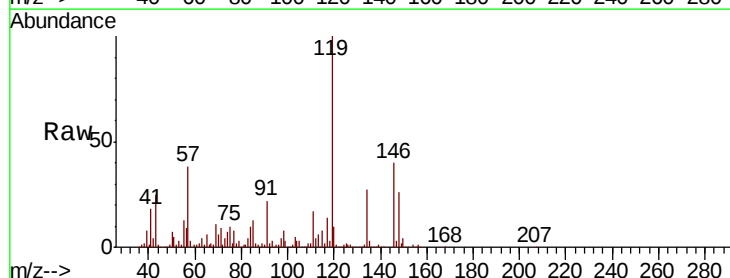
Tgt Ion:119 Resp: 606296

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

300000

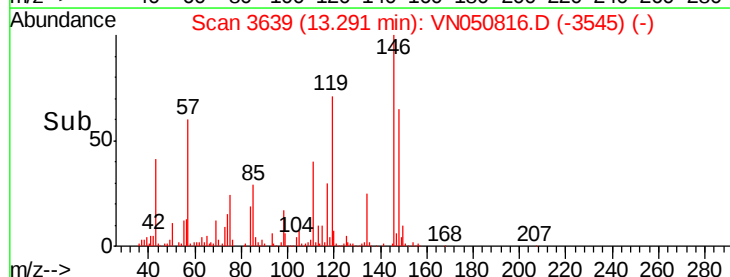
200000

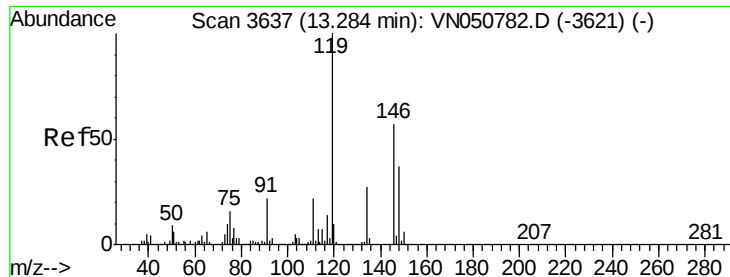
100000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.95 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

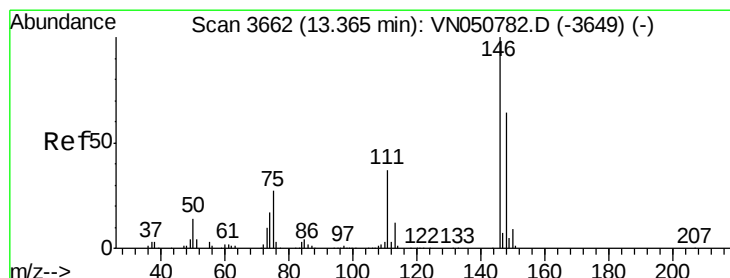
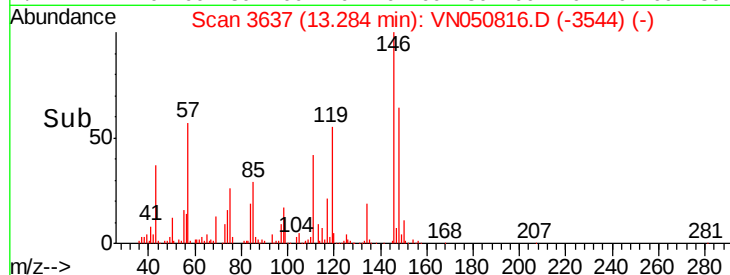
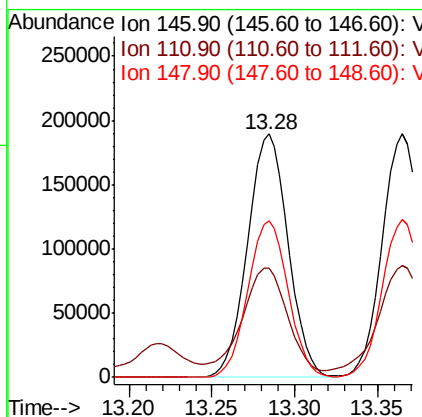
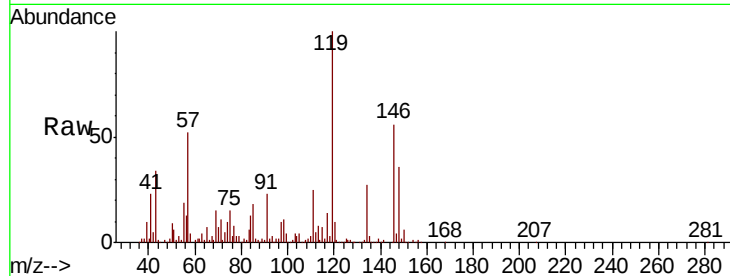
ClientSampleId :

VN0822WBSD01

Tot Ion:	146	Resp:	322979
Ion Ratio	Lower	Upper	
146	100		
111	45.2	19.1	57.3
148	63.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.54 ug/l

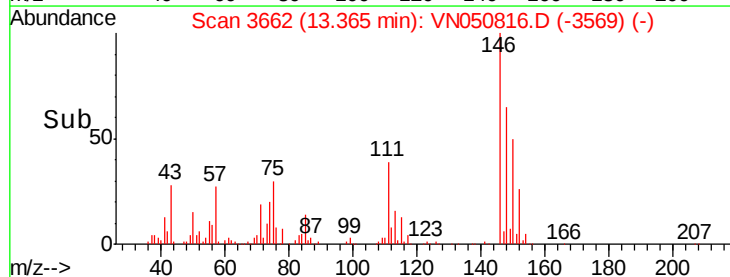
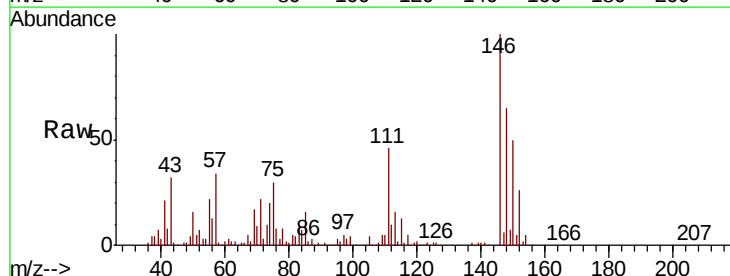
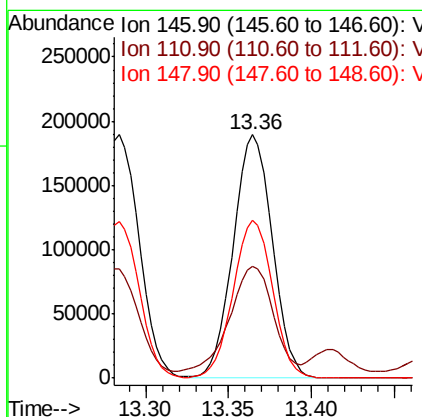
RT: 13.36 min Scan# 3662

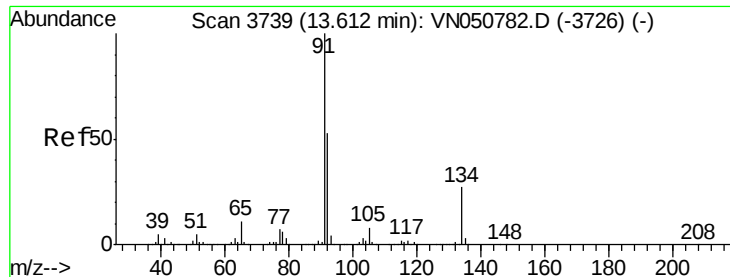
Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion:	146	Resp:	311306
Ion Ratio	Lower	Upper	
146	100		
111	46.9	18.8	56.3
148	65.3	32.2	96.6





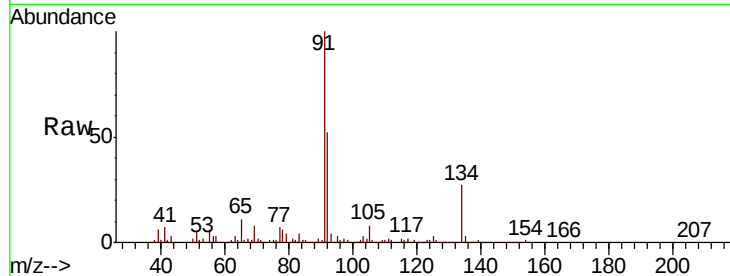
#89
n-Butylbenzene
Concen: 21.46 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	27.7	13.2	39.6

Manual Integrations
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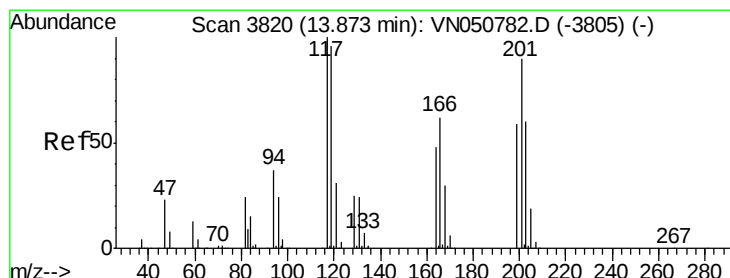
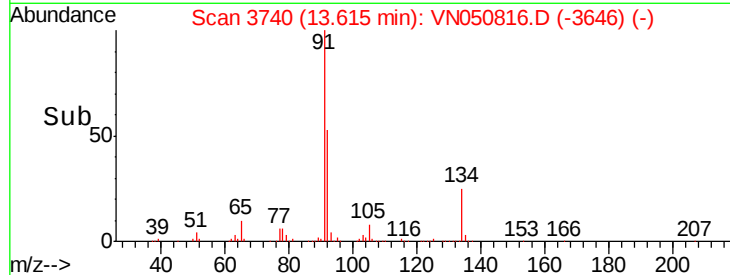
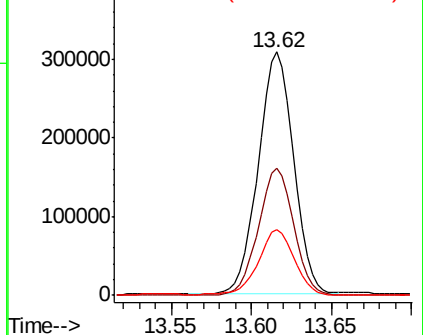


Abundance

Ion 91.00 (90.70 to 91.70): VN050816.D (-3726) (-)

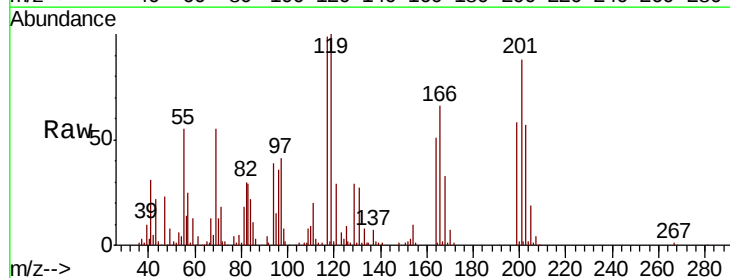
Ion 92.00 (91.70 to 92.70): VN050816.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050816.D (-3726) (-)



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050816.D
Acq: 22 Aug 2018 13:48

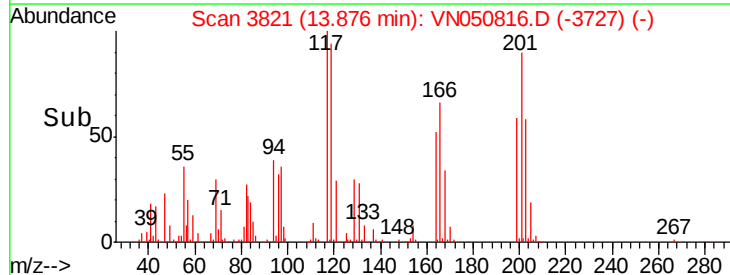
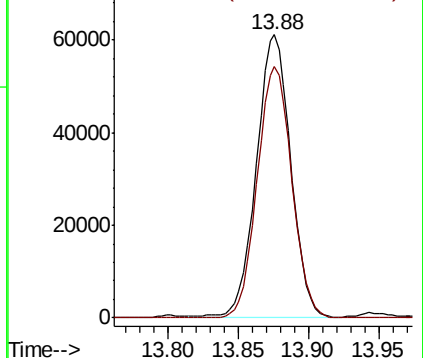
Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	46.0	137.8

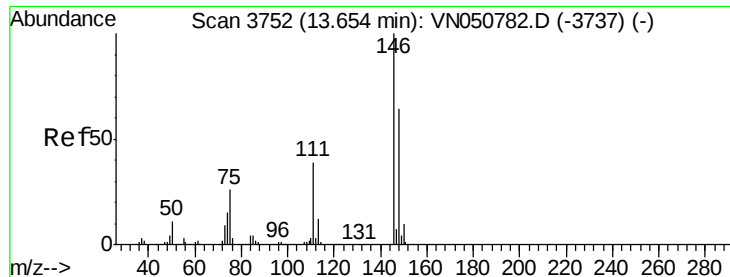


Abundance

Ion 116.80 (116.50 to 117.50): VN050816.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050816.D (-3805) (-)





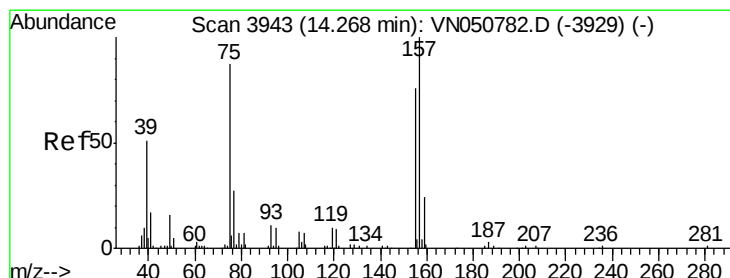
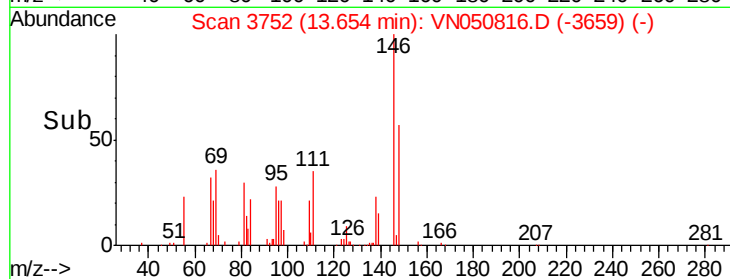
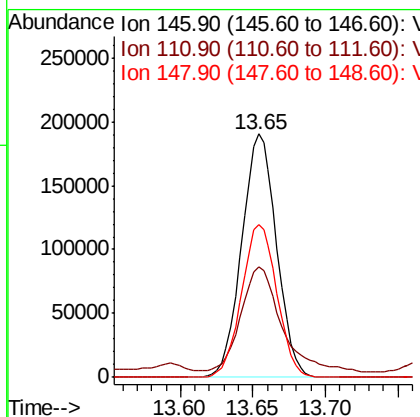
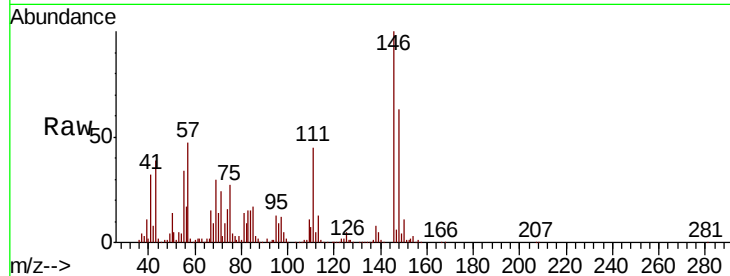
#91
 1,2-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.2	19.8	59.3
148	63.8	32.3	96.8

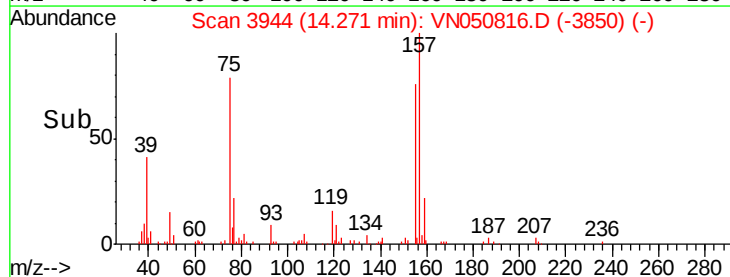
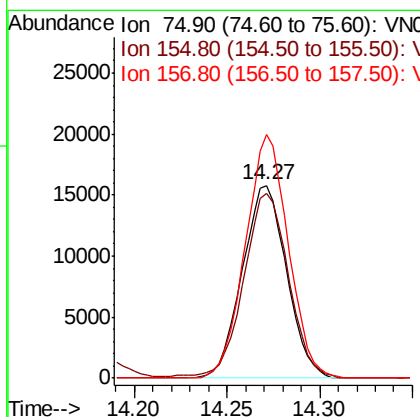
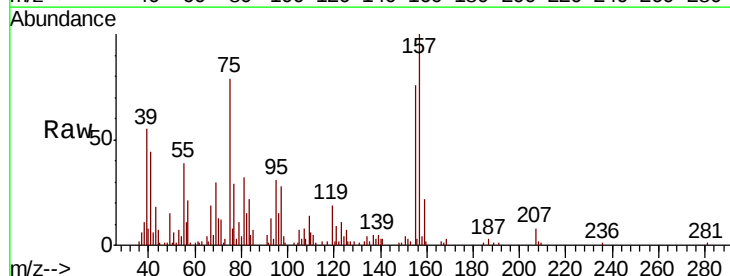
Manual Integrations
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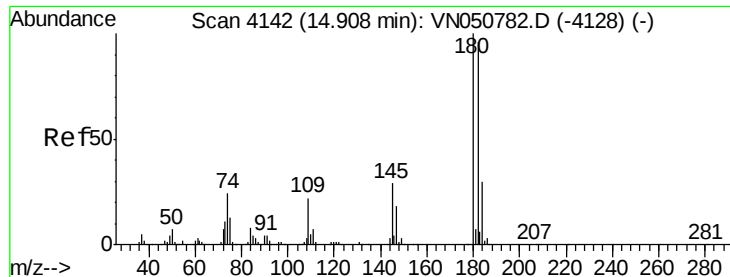
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.86 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	46.4	139.1
157	122.5	60.7	182.0





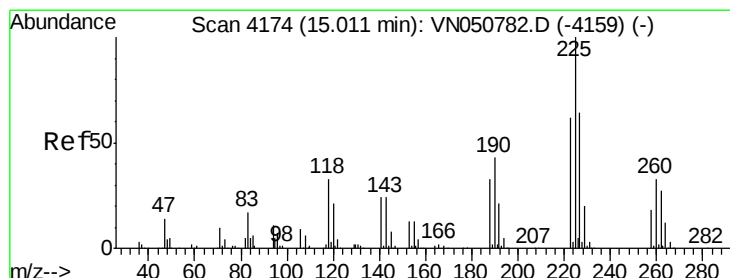
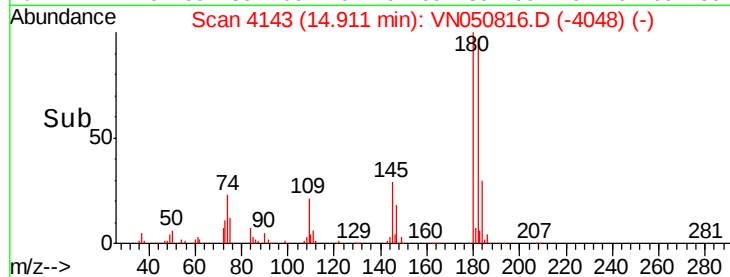
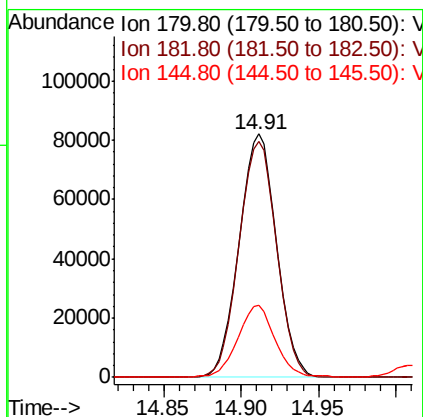
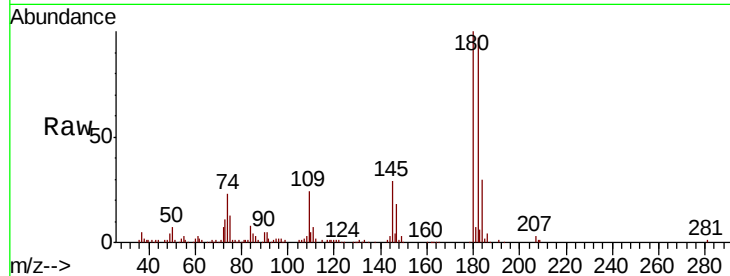
#93
 1,2,4-Trichlorobenzene
 Concen: 19.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137934		
182	97.3	48.2	144.6	
145	29.8	14.1	42.2	

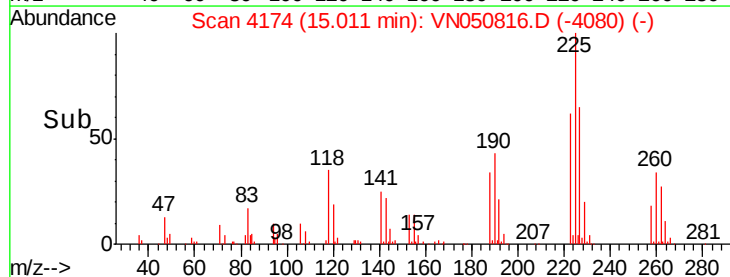
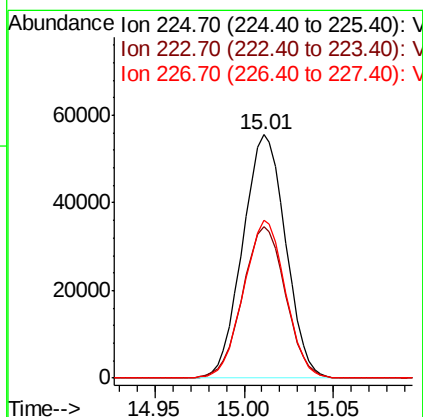
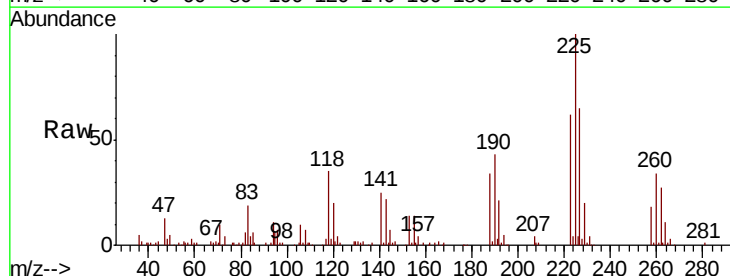
Manual Integrations
 APPROVED

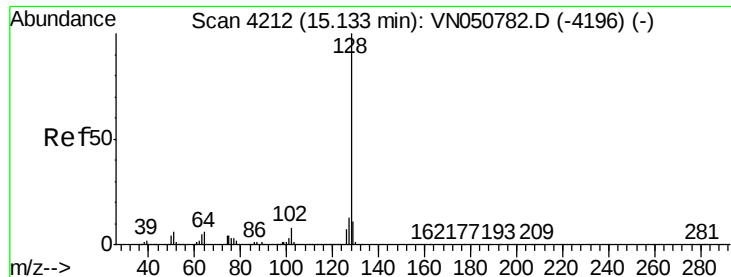
MMDadoda
 8/23/2018 12:26:54 PM



#94
 Hexachlorobutadiene
 Concen: 19.50 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050816.D
 Acq: 22 Aug 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93427		
223	62.2	31.3	93.8	
227	63.2	32.0	96.2	





#95

Naphthalene

Concen: 21.15 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Instrument :

MSVOA_N

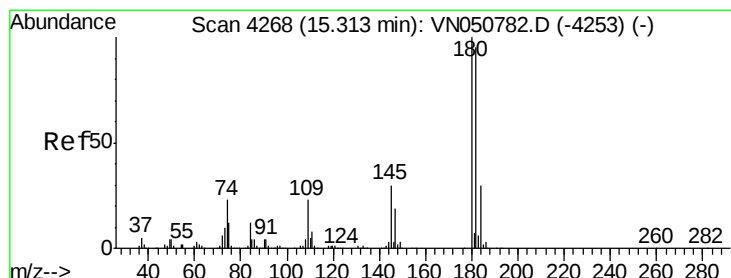
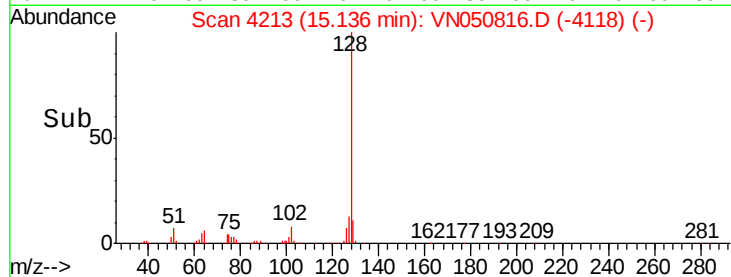
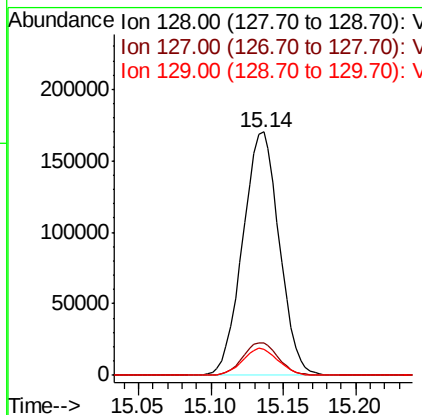
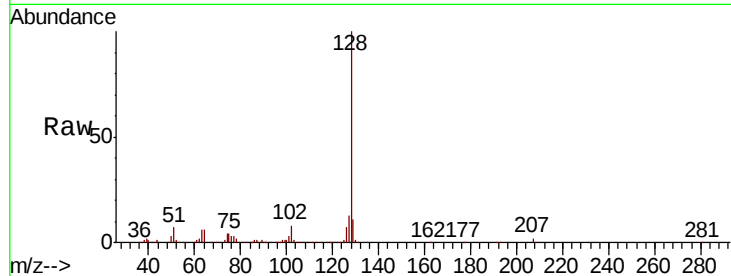
ClientSampleId :

VN0822WBSD01

Tot Ion:	128	Resp:	299070
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/23/2018 12:26:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.59 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050816.D

Acq: 22 Aug 2018 13:48

Tgt Ion:	180	Resp:	140950
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.0	144.2
145	30.2	15.2	45.6

